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The



# CHEMIST AND DRUGGIST

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

No. 2933  
VOL. CXXIV

APRIL 25, 1936

Annual Subscription (with  
Diary) 20/- Single Copies 9d.

*For the Spring and Summer*

PURE SUGARLESS

## LIVER SALINE

A "Chemists' Friend" line  
safe and certain sales which show  
a generous profit

ADVERTISING COMMENCED IN FEBRUARY AND  
WILL CONTINUE THROUGHOUT THE SEASON

*Write to-day for sample and prices*

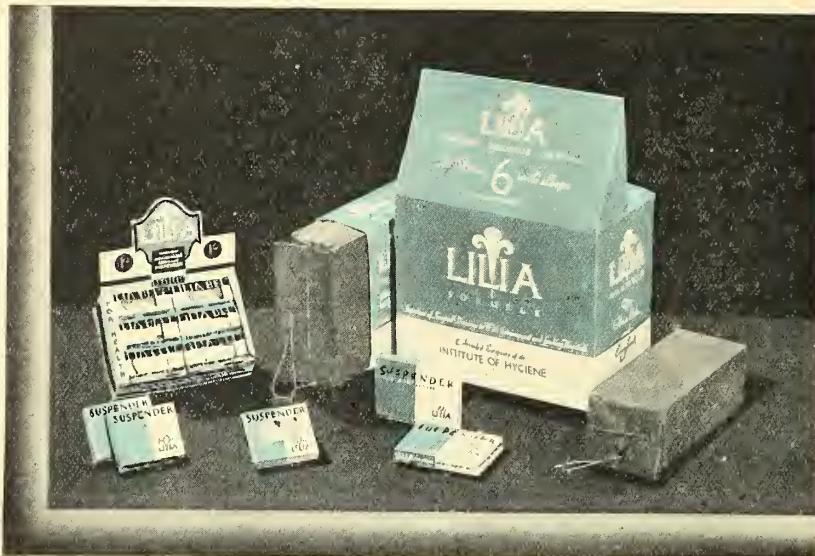
# Alfred Bishop

LIMITED

48 Spelman Street, London, E.1

TELEPHONE: BISHOPSGATE 2331

# This entirely NEW PACK for LILIA



**FROM MAY 1st**

**ALL QUALITIES  
OF LILIA TOWELS  
WILL BE DELIVERED  
TO YOU IN  
INDIVIDUAL PLAIN  
CARRIER BAGS  
INSIDE THE  
CARTONS**

**NO CHANGE IN PRICES**

**Many women PREFER to obtain their  
Sanitary Towels at a Pharmacy**



*This handsome Lilia mirror is offered free to Chemists ordering Lilia to the value of £3 (Trade Prices).*

FROM MAY 1st you will be able to serve over your counter a smart, up-to-date carrier; you will not have to waste time wrapping and stringing; you will save the cost of time and materials. YOUR customers will be delighted, for these carrier bags are so easy to carry and so unobtrusive. Furthermore, as the towels are not compressed in any way—for example, there is no string to cut into them—they reach your customer's home with their efficiency unimpaired.

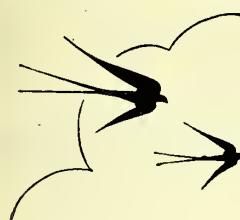
### **AND A NEW CARTON**

At the same time we have produced an up-to-date NEW DESIGN for the Lilia cartons. Sixpenny Lilia will come to you in a beautiful display container, which contains six carrier bags of six towels. This is to stand on or near your counter. All you have to do is to lift out a carrier by its cord and hand it over. **Other qualities of Lilia will be packed in carriers in individual cartons.**

### **FREE!**

*Order now for THIS SUMMER. If you are a fully equipped chemist you will receive, FREE, one handsome mirror of our new design and one dozen carrier bags of Lilia suspended by your customers, the six towels inside each bag being in a separate pack. Also a beautiful new photographic card to be given to your customers. The card has space for the chemist's name and the assistant's name.*

**T. J. SMITH & NEPHEW, LTD., Dept. C.D.4, Neptune Street, Hull.**



# nine customer-groups WHO WILL BUY GLUCOSE-D THIS SUMMER

Already Glucose-D has established a market of remarkable size for itself. It is by far the biggest line in its class. But the full extent of its possibilities has by no means been reached.

Here is a list of the potential customers for Glucose-D this summer. Check them over and see that you are omitting none of them in your sales efforts:

(1) All who need extra energy for mind or body (the athletic, all who are studying for exams., hard-working people); (2) All whose energy reserves are "run-down"; (3) Bilious children; (4) All who suffer from travel sickness, whether on land or sea or in the air; (5) The expectant mother suffering from "morning sickness"; (6) All suffering from overstrain; (7) Patients who "won't eat"; (8) Patients with febrile illness; (9) Sufferers from heart-weakness.

*Pharmacists who missed the Bonus Parcel Offers will be glad to know that the Glucose-D Display Parcels are still available. A quick seller showing you 33½% profit. A "Chemist's Friend" line. Send for details.*

# GLUCOSE-D



AD GL.172

GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX. BYRon 3434.



# ONE TWO

FAREX requires no cooking whatever. Simply flavour to taste and add milk. Immediately a palatable and fully nourishing meal is ready to serve.

A Farex meal contains a sufficiency of every dietetic element required to maintain normal health and vigour. It is rich in proteins, carbohydrates, fat, minerals and every vitamin except C.

and a  
square meal  
is made

Whenever you hand out a rhubarb and soda mixture, or a bismuth mixture, you have a profitable opportunity to recommend Farex. It is the ideal food for the dietetic treatment of all gastric disorders. It is a real square meal, yet causes no digestive disturbance.

*Farex is packed in an unusual "pourer" drum, with unique display value. It retails at 2/- per 1-lb. drum. Order a supply and write for attractive show material.*

**FAREX**  
The **COMPREHENSIVE** cereal food



GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX. BYRon 3434

AD GL.173  
A A

# TIME IS MONEY !

## *- save both with a RALEIGH CARRIER*

Every customer inconvenienced by late deliveries may ultimately mean loss of business.

Directly you start using a Raleigh Carrier—the cycle that is specially built for dependable deliveries—you will notice a big saving in time. Your customers will readily appreciate the speedier and more regular service—a service that can be relied upon every day of the week because of the constructional perfection for which the Raleigh is world-famous. Every Raleigh Carrier is a masterpiece of strength and precision, expressly designed for strenuous use, and guaranteed for ever.

### STANDARD CARRIER

(22-inch Frame)

£6 . 19 . 6 (Cash)

or 5/- down

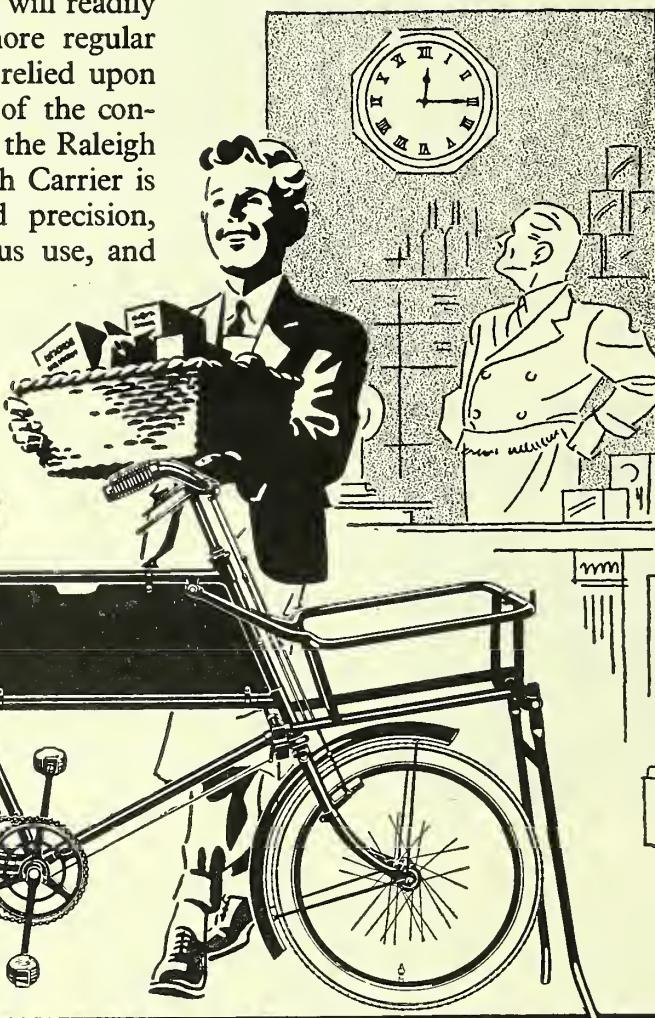
and 12 monthly payments of 13/7.

### LOW GRAVITY CARRIER

at same price and terms as above.

22-inch Frame.

Specially designed for carrying heavy or bulky loads without skidding—20-inch front wheel and larger basket fittings. An instantly operated stand built into the carrier is an important feature. EVERY RALEIGH CARRIER CYCLE has the finest equipment, BROOKS' SADDLE, DUNLOP TYRES, etc.



# RALEIGH

THE ALL-STEEL BICYCLE

THE RALEIGH CYCLE COMPANY LIMITED, NOTTINGHAM (Depots and Agents Everywhere)

**Collosol**

**Collosol Lacto-Calamine**  
THE GUARDIAN OF THE SKIN COOLING & FRAGRANT

Collosol Lacto-Calamine  
Effectively relieves sunburn, all skin blemishes, and all skin irritations. Contains the valuable properties of finely-divided colloids of milk and almond oil. Shake well and apply to skin. A small amount may be used on a small wound or sore. Wound and sore dressings. 100 ml. (3.4 fl. oz.)

FOR CHILDREN IN INFANCY AND GENERAL SKIN USE  
SOOTHES AFTER EFFECTS OF SHAVING

A PRODUCT OF THE CROOKES LABORATORIES  
Manufacturers of Colloids, London, England

Collosol Lacto-Calamine  
CONTAINS MILK COLLOIDS, ALMOND OIL AND WITCH HAZEL

Collosol Lacto-Calamine  
AN EFFICIENT AND VALUABLE SKIN MEDICAMENT FOR SUNBURN AND ALL SKIN BLEMISHES  
SOOTHES AFTER-EFFECTS OF SHAVING

A PRODUCT OF THE CROOKES LABORATORIES  
Manufacturers of Colloids, London, England



# LACTO CALAMINE

*new  
attractive*

# DISPLAYS

A large and particularly attractive show-stand 35" wide x 25" high will be supplied with each bonus order and this is supported by a small showcard 8" x 10". Both of these are shown above.

Collosol Lactocalamine is one of the main lines in our Summer bonus offer. Full particulars upon application.

**THE CROOKES LABORATORIES**

(British Colloids Ltd.)  
PARK ROYAL, LONDON, N.W.10.

Telephone:- Willesden 6313 (3 lines)

Telegrams:- Collosols, Harles, London.

T.G.S.

EXTRACTS  
TINCTURES  
PHARMACEUTICALS

Specify  
Staff AllenS

ESTABLISHED 1833

STAFFORD ALLEN  
& SONS LTD.



Manufacturing Chemists  
ESSENTIAL OIL DISTILLERS  
COWPER STREET  
LONDON, E.C.2

## INDEX TO ADVERTISERS

Allen, Stafford & Sons, Ltd. (Extracts) .....	4	Caldicot Tin Stamping Works, Ltd. (Decorated Tins) .....	x	Glaxo Laboratories, Ltd. (Glucose-D, &c.) .....	1
Amalgamated Business Machines, Ltd. (Cash Registers, &c.) .....	xiv	Carnegie Bros., Ltd. (Chemicals, &c.) .....	iv	Glycerine, Ltd. .....	ii
Anglo-French Drug Co. Ltd. (Phospho-Soda (Fleet), &c.) .....	viii	Cartwright W. B., Ltd. (Indigestion Tablets) .....	5	Grout & Co., Ltd. (Crêpe Bandages, &c.) .....	20
Arnfield, J. C., & Sons, Ltd. (Raspberry Vinegar, &c.) .....	iv	Christy, T., & Co., Ltd. ("So-it-Is" Denture Cleaner, Cachets) .....	24, 26	Guest, T., & Co., Ltd. ('Sure Shield' Throat Tablets) .....	12
Aspro, Ltd. (Aspro) .....	vii	Cox, A. H., & Co., Ltd. (Pills and Tablets) .....	8	Hanson, W., & Sons, Ltd. (Bottles) .....	24
Association of Manfg. Chemists, Ltd. Col. Supp.		Crookes Laboratories (Lacto Calamine) .....	3	Harvey & Co. (Dublin), Ltd. (Veterinary) .....	xiv
Ayrton, Saunders & Co., Ltd. (Wholesale Druggists) .....	15	Davenport, J. T., Ltd. (Chlorodyne) .....	x	Heymann, Harry, Ltd. (Self-Priming Syphon) .....	24
Bayer Products, Ltd. ('Elityran') .....	i	Dearborn (1923), Ltd. (Toilet Specialities) .....	18	Holroyd's Oil and Cerasine Co., Ltd. (Liquid Paraffin, &c.) .....	xiii
Bell, John, Hills & Lucas, Ltd. (Cold Cure Capsules) .....	Leader Page	Dick, W. B., & Co., Ltd. (Liquid Paraffin) .....	vi	Hubbuck, T., & Son, Ltd. (Oxide of Zinc) .....	iii
Benger's Food, Ltd. (Foods) .....	26	Dols Volatilise Flannel, Ltd. .....	24	Ilford, Ltd. (Selo Photographic Paper) .....	8
Bengué & Co., Ltd. (Agocholine, &c.) .....	ix	Dudley & Co., Ltd. (Shopfittings Catalogue) .....	xv	Imperial Typewriter Co., Ltd. (Typewriters) .....	14
Berde & Fish, Ltd. (Valuers, &c.) Col. Supp.		Eueryl, Ltd. (Dentifrice, &c.) .....	16	Josephs, Philip, & Sons, Ltd. (Shopfittings) .....	Col. Supp.
Bishop, Alfred, Ltd. (Liver Saline) .....	Cover	Everett & Co. (Hypodermic Needles) .....	20	Levermore, A., & Co., Ltd. (Precipitated Chalk) .....	24
Box, W. H. (Box's Pills) .....	viii	Ex-Lax, Ltd. (Laxative Chocolate) .....	9	Lincoln and Midland Counties Drug Co., Ltd. (Clarke's Blood Mixture) .....	xii
Box 278/103 (Mustard Meal) .....	24	Fairchild Bros. & Foster ('Pepule' Pepsin) .....	Leader Page	Liverpool School of Pharmacy .....	12
Bruce, Starke & Co., Ltd. (Tamarinds) .....	24	Fairy Dyes, Ltd. (Morning Pride Shaving Cream) .....	18	London Rubber Co., The (Durex) .....	xvi
Buckley-Bowker Tablet Co., Ltd. (Tablets, &c.) .....	ix	Fink, F., & Co. (Gums) .....	24	Low, Son & Haydon, Ltd. (Toilet Preparations) .....	22
Burrough, James, Ltd. (Alcohol for Perfumery) .....	Leader Page	Ford, Shapland & Co., Ltd. ("Solv-o" Toilet Paper) .....	22		
Burroughs Wellcome & Co. ('Tannafax') .....	25	Genatosan, Ltd. (Sanatogen, &c.) .....	xi		
Bush, W. J., & Co., Ltd. (Guaiacol, &c.) .....	iii	George, Ernest J., & Co. (Valuers, &c.) .....	Col. Supp.		

{Continued overleaf.}

THE DOCTORS' CONSTANT RECOMMENDATION

THE CHEMISTS' FRIEND

THE PUBLIC DEMAND

MOORLAND INDIGESTION TABLETS

Brand

7½d.

The Pleasant and most reliable Aid to Digestion

MOORLAND INDIGESTION TABLETS

Children or Adults may eat Sweets

50 Tablets

NO PROPRIETARY RIGHTS CLAIMED

W. B. CARTWRIGHT LTD.

RAWDON

LEEDS

**INDEX—cont.**

Mabra Products Co. (Headache Lozenges) ..... 12  
 Macandrews & Forbes, Ltd. (Liquorice Extract) ..... v  
 Maktor Safety Razor Co., Ltd. (Safety Razor) ..... 16  
 Matthews, D., & Son, Ltd. (Shopfittings) ..... xiv  
 Maund, F., & Berg, E., Ltd. (Showcases) ..... Col. Supp.  
 Mawson Filter Co. (Mawson Filters) ..... Leader Page  
 Maxwell, Plaistowe & Co., Ltd. (Sandalwood Oil) ..... ii  
 Mono Containers, Ltd. (Hygienic Containers) ..... xv  
 Moorgate Blade Co., Ltd. (Minor Blades) ..... 19  
 Napp, H. R., Ltd. (Halibut Liver Oil) ..... Leader Page  
 Nobby's Products, Ltd. (Barlova) ..... x  
 Nuro, Ltd. (Nuro Films) ..... 7  
 Orridge & Co. (Valuers, &c.) ..... Col. Supp.  
 Owbridge, W. T., Ltd. (Lung Tonic) ..... xiii  
 Paines & Byrne, Ltd. (Glandular Products) ..... Leader Page  
 Parkinsons, Ltd. (Sugar Coated Pills) ..... Leader Page  
 Perry & Hope, Ltd. (Phosphate of Soda) ..... 24  
 Perry's Powders, Ltd. (Children's Powders) ..... vi  
 Pitman, Sir Isaac, & Sons, Ltd. (Books) ..... 22

Porteus, G., & Sons (Leeds), Ltd. (Machinery) ..... 24  
 Potter & Clarke, Ltd. (Wholesale Druggists) ..... 23  
 Premier Oil Extracting Mills, Ltd. ..... ix  
 Prescriber, The ..... 24  
 Purfinol, Ltd. (Liquid Paraffin, &c.) ..... viii  
 Radio Times, The ..... 13  
 Raleigh Cycle Co., Ltd. (Delivery Cycles) ..... 2  
 Reckitt & Sons, Ltd. (Dettol) ..... xii  
 Reine des Crèmes, Ltd. (Toilet Preparations) ..... 16  
 Roberts & Newton (Labels) ..... xv  
 Roberts' Patent Filling Machine Co. ..... xiv  
 Robinson & Sons, Ltd. (Boxes, &c.) ..... 10, 11, 20  
 Rozalex, Ltd. (Rozalex Ointment) ..... 24  
 Ru-Mari, Ltd. (Rheumatism Remedy, &c.) ..... 26  
 Schering, Ltd. ("Vasano") ..... 6  
 School of Surgical Chiropody ..... 22  
 Scott & Bowne, Ltd. (Williams' Shaving Preparations) ..... 22  
 Scruton, O., & Co. (Nurse Harvey's Mixture) ..... 12  
 Seurr, C. A. (Optical Tuition) ..... 22  
 Shadene Co. (Hair Dyes) ..... 22  
 Sharplin, W. J., Ltd. (Stoppers) ..... x  
 Simpkin, A. L., & Co., Ltd. (Glucose Confections) ..... vi  
 Simpson, A. (Shaving Brushes) ..... 16  
 Smith, T. & H., Ltd. (Alkaloids) ..... v  
 Smith, T. J., & Nephew, Ltd. (Lilia Soluble Towels) ..... Cover  
 Solazzi Liquorice ..... ii  
 Solport Bros., Ltd. (Face Cloths, &c.) ..... 14  
 Southalls (Birmingham), Ltd. (Sanitary Towels) ..... 21  
 Sozol (1924), Ltd. (Egg Preservative) ..... 24  
 Sterns, Ltd. (Oils, Petroleum) ..... xii  
 Sumner's Typhoo Tea, Ltd. ..... Leader Page  
 Surgical Hosiery Co., Ltd. (Elastic Hosiery) ..... 22  
 Taylor, Edward, Ltd. (Flexoplast First Aid Dressing) ..... 21  
 Thornton Pharmaceutical Laboratories, Ltd. (V.P. First Aid Outfit) ..... 20  
 Treble & Co. (Shopfittings) ..... 22  
 Tyre, T., & Co., Ltd. (Chemicals) ..... iv  
 Ward, T., & Sons, Ltd. (Wardonia Razors, &c.) ..... 21  
 Washington Chemical Co., Ltd. (Cream of Magnesia) ..... v  
 White, J. F., & Co. (Kompo) ..... ii  
 Wilkinson, S. W., & Co. (Ointment Mills) ..... xiv  
 Willows, Francis, Butler & Thompson, Ltd. (Galenicals, &c.) ..... Cover  
 Windschuegl, Chas. H. (Almond Oil) ..... 24  
 Wright, Layman & Umney, Ltd. (Disinfecting Fluid, &c.) ..... Cover  
 Yvonne, W. J., et Cie, Ltd. (Toilet Preparations) ..... 22  
 Zeal, G. H., Ltd. (Clinical Thermometers) ..... 21  
 Zems, Ltd. (Herbal Liquorice Tablets) ..... vi

## NO NEED TO TALK THIRTEEN TO THE DOZEN! JUST A TACTFUL WORD FROM YOU!



You will be surprised  
how many potential  
"Cruisers" & "Fliers"  
enter your pharmacy

DISPLAY

# VASANO

THE SURE  
PREVENTIVE  
OF  
TRAVEL SICKNESS

LAY ADVERTISING  
CAMPAIGN

**JUST A TACTFUL WORD FROM US!**

ON YOUR PROMISE  
TO DISPLAY .. WE GIVE THIRTEEN TO THE DOZEN !

**BONUS OFFER**  
EXPIRES

SEPTEMBER  
30<sup>TH</sup>

Packings :

4 tablets - 1s. 6d.  
10 tablets - 3s. 6d.

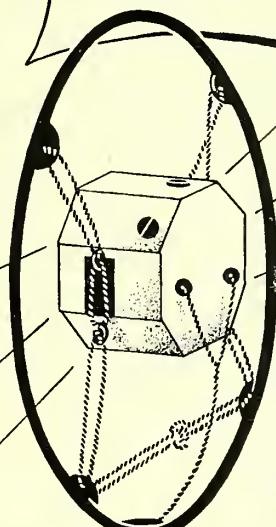
ORDER FROM US  
We invoice through  
your wholesaler..

**Schering**  
LIMITED

188/192 HIGH HOLBORN  
LONDON·W·C·1



**'Nuro Films** show a  
rapid rise in popularity ...



A NEW BRITISH  
INDUSTRY

NURO FILMS have come to stay. You can confidently offer them to your customers as a definitely higher grade film — yet they cost no more than ordinary makes. They are really Britain's finest films—are most attractively packed and show a very good profit margin. They will bring repeat business for you.

MADE IN ALL POPULAR SIZES



This colourful display outer holds one dozen and is a most useful sales aid.

Fully Orthochromatic

All Metal Spools

Wrapped in Aluminium Foil

Packed in Embossed Cartons

Fine Grain Emulsion

Red Dye Backed

Airtight Packing for Tropics

Outer Display Cartons

we will gladly send you a free sample film for use in your own camera. Send us a trade P.C. and ask for latest illustrated folder . . .

**NURO LIMITED**  
BIGGLESWADE, BEDS.

**Private Formula work**

**Pills and Tablets**  
*manufactured under the control of*  
**Analytical and Qualified**  
**Chemists**

**Coated or Uncoated**  
**Bulk or Packed**

**Exceptionally keen prices**

**COX** Estab. 1839  
 ARTHUR H. COX & CO. LTD.  
 of BRIGHTON

# more £ s. d. from your D. & P.

Selo Paper is easy to process, has generous latitude, never stains, always gives batch-to-batch uniformity — and effects the **GREATEST ECONOMY.**

# SELO PAPER

for D. & P.

For the amateur who likes to print for himself there's nothing better for him — nor more profitable to you — than Selo Paper in packets.

Made in England by  
**ILFORD LIMITED :: :: ILFORD, LONDON**

THE EX-LAX  
GYPSIES ARE ON  
THE AIR

★ SUNDAY MORNINGS  
AT 12.15 FROM  
RADIO LUXEMBOURG



ON Sunday, April 26th, the first of a long series of thoroughly original and very entertaining programmes will be broadcast from Radio Luxembourg to advertise "EX-LAX—'E-X-L-A-X' in the red, white and blue pack." The gay and haunting melodies of the Romanies and a highly entertaining manner of "putting over" the INCOMPLETE ELIMINATION sales story, already established by nation-wide press advertising, will make the 'EX-LAX' programme a feature of the air and 'EX-LAX' sales, big as they are, yet bigger still.

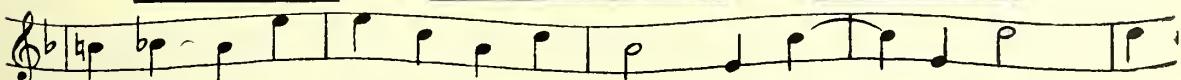
COMMENCING  
SUNDAY, APRIL 26th

DOUBLE BONUS OFFER

By displaying the new show illustrated, you will derive the maximum of benefit from 'EX-LAX' advertising.

Send an order for a £1.7.0 or £2.14.0 parcel direct to EX-LAX LTD., SLOUGH, BUCKS, naming the wholesaler by whom delivery is to be made and DOUBLE THE USUAL BONUS will be allowed for this display.

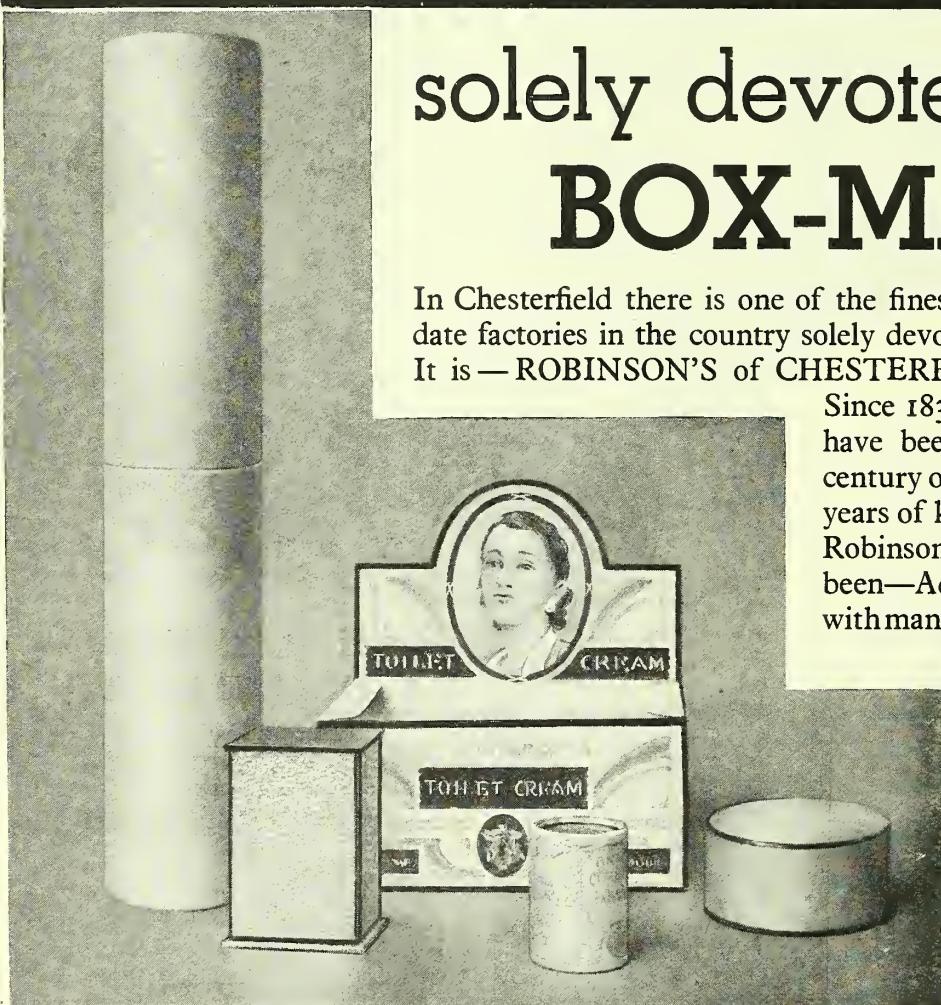
The usual bonus will be sent by the wholesaler and the display and additional bonus by EX-LAX LTD.



# 250,000 OF FACTORY

solely devoted to  
**BOX-MAKING**

In Chesterfield there is one of the finest-equipped and most up-to-date factories in the country solely devoted to the making of boxes. It is—ROBINSON'S of CHESTERFIELD.



Since 1839 Robinson's of Chesterfield have been making boxes. Nearly a century of progress—nearly a hundred years of knowledge! For the policy of Robinson's of Chesterfield has always been—Advance! They have been first with many improvements in the making of boxes—first to install machinery that would simplify and lower the costs of manufacture. So to-day Robinson's of Chesterfield are in the forefront of the industry—a firm which cannot be ignored when new boxes are contemplated.

# ROBINSON CHESTERFIELD

WHEN YOU'RE THINKING OF BOXES .....

# SQ. FEET SPACE . . . .

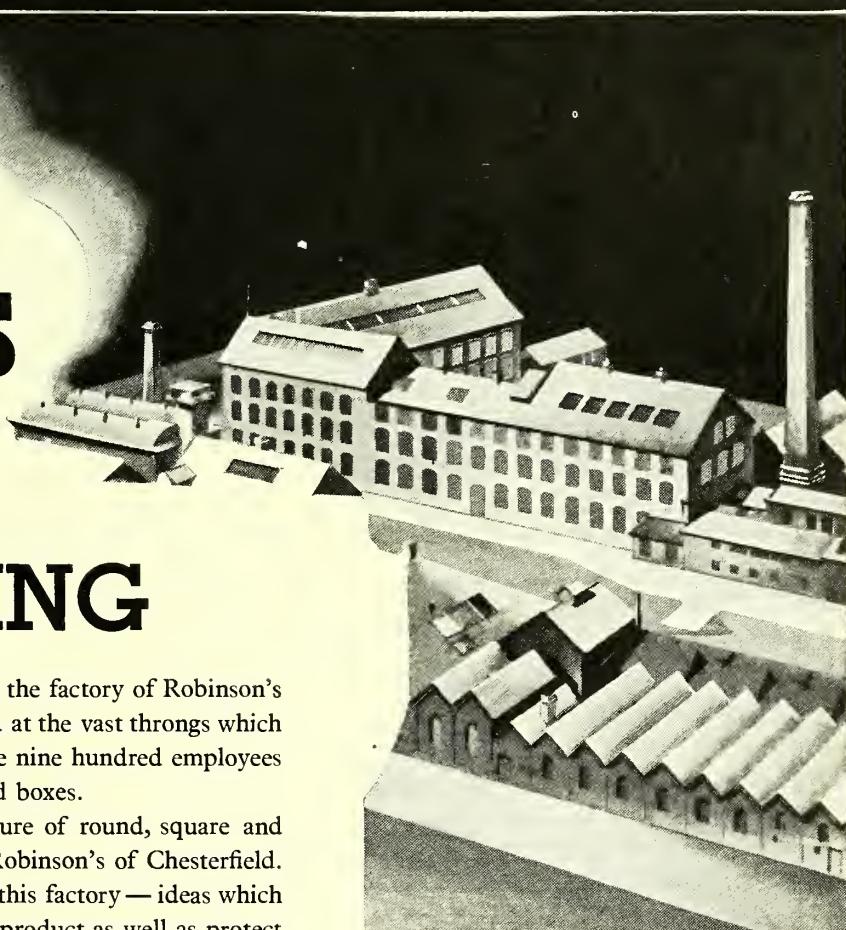
**900  
EMPLOYEES**

whose sole  
concern is

**BOX-MAKING**

Those who have witnessed the exodus from the factory of Robinson's of Chesterfield at night have been astonished at the vast throngs which are homeward bound. And every one of the nine hundred employees is devoted to one task—the making of good boxes.

There are no problems in the manufacture of round, square and folding boxes that cannot safely be left to Robinson's of Chesterfield. There is a constant flow of fresh ideas from this factory—ideas which are always practical and planned to sell the product as well as protect it. Think of Robinson's of Chesterfield when next you think of round, square or folding boxes.



WHEAT BRIDGE MILLS, CHESTERFIELD  
168 OLD STREET, LONDON, E.C.1

**& SONS LTD  
LONDON**

**THINK OF ROBINSON'S OF CHESTERFIELD**

# 'SURE SHIELD'

IODISED  
THROAT TABLETS

THE THROAT TABLET  
with a reputation of over  
a QUARTER of a  
CENTURY



8½  
D  
PER TIN  
P.A.T.A.



THOS. GUEST & CO. LTD.  
CARRUTHERS STREET - MANCHESTER 4

WIDELY ADVERTISED in all the  
LEADING PAPERS  
SHOWS A PROFIT  
OF OVER ..... 60%



1½  
D  
PER TIN  
P.A.T.A.

ENTIRELY NEW  
AND REVOLUTIONARY !



MODERN REMEDY IN CONFECTION FORM  
FOR HEADACHES, ETC.

Convenient to take under every emergency of time and place ; in tram, train, office, theatre, dance, concert, etc.

Made in confection form, Mabra brand lozenges stimulate salivary and other digestive juices, and prevent gastric irritation caused by raw drugs.

SELLS READILY TO ALMOST  
EVERY CUSTOMER

In attractive tins of eight lozenges, for pocket or handbag, to sell at 1/3. Price to retailers, 10/- per dozen tins.

STOCKED BY LEADING WHOLESALE  
CHEMISTS AND DRUGGISTS

FULL PARTICULARS AND LEAFLETS FROM :

**MABRA PRODUCTS COMPANY**  
11 MILLER STREET - - GLASGOW, C.1

Telephone : CENTRAL 2513

## NURSE HARVEY'S MIXTURE

A safe, simple and reliable remedy for Children's Ailments is advertised so extensively in the daily and weekly Press as to bring mothers to the retailer without effort on his part.

The selling has been done before the mother reaches the chemist, and, having supplied her, it is only common sense to claim she will buy other family necessaries from him. Moreover, the continuous demand for it produces a quick turnover.

For Direct Terms apply to—  
**OSCAR SCRUTON & Co., YORK**

## LIVERPOOL SCHOOL OF PHARMACY

Principal :  
**H. HUMPHREYS - JONES,**  
F.I.C., F.C.S., Ph.C.

REVISION CLASSES  
FOR JUNE EXAMS.



NEXT SESSION  
Preliminary Scientific and  
C. & D. Qualifying  
October 5th, 1936

Full particulars from the Principal  
Blackburne Place, Liverpool 8

# NOVEL WINDOW DISPLAY IDEA

## REMARKABLE TRIBUTE TO THE POWER OF RADIO TIMES ADVERTISING

Here is an idea which is well worth noting. It is now well known that a demand is assured for any product regularly advertised in the Radio Times and which is therefore on the Radio Times List.\* This is because of the unique chance that advertisements in the Radio Times have of being read and studied and because of its enormous circulation.

Mr. H. P. Elliott, of 23 Grove Parade, Slough, a chemist, realising the extraordinary power of Radio Times advertising, thought of an

excellent idea for attracting the demand created by it. He has cut out about thirty advertisements from the then current number of the Radio Times and arranged them on his window. A red streamer connects each advertisement to a display of the product advertised in it. Another copy of the same Radio Times and a strip inviting customers to 'Read about it in the Radio Times—and get it here' completes the display. In this way Mr. Elliott has doubly benefited from the stocking of goods regularly advertised in the Radio Times.

### *The RADIO TIMES list for your trade*

\*The advertisers below regularly use the Radio Times and are therefore assured of a steady demand. Radio Times readers respond to advertising. The second half of this list will be published in the next Radio Times announcement in this journal.

CROMESSOL DISINFECTANT PERFEUMS  
BOB MARTINS CONDITION POWDERS  
MACLEAN BRAND STOMACH POWDER  
BRANDS ESSENCE  
VAPEX  
INSTANT POSTUM  
MILTON  
FAMEL SYRUP  
DR. MACKENZIE SMELLING BOTTLE  
OPTREX EYE LOTION  
POUDRE TOKALON  
PEARS TRANSPARENT SOAP  
CALIFORNIA SYRUP OF FIGS

MUSTEROL OINTMENT  
SCOTTS EMULSION  
BOURN-VITA  
LACTOPEPTINE  
BISURATED MAGNESIA  
PHYLLOSAN  
CUTICURA  
IRON JELLOIDS  
MILK OF MAGNESIA  
PEPSODENT  
BRAGGS CHARCOAL  
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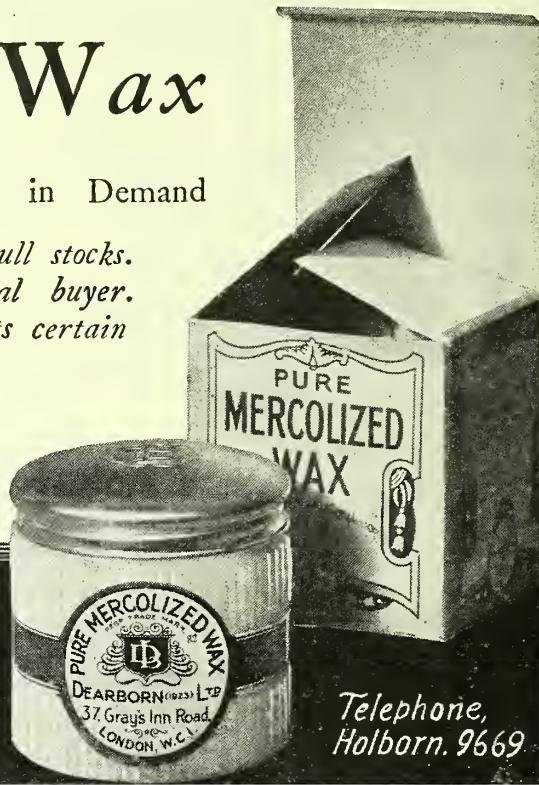
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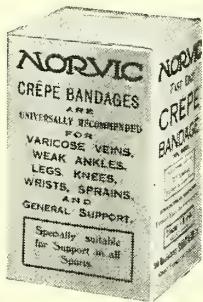
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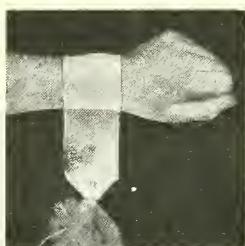
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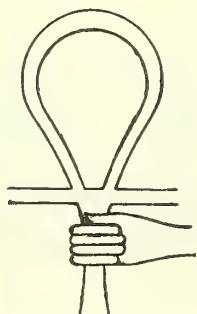
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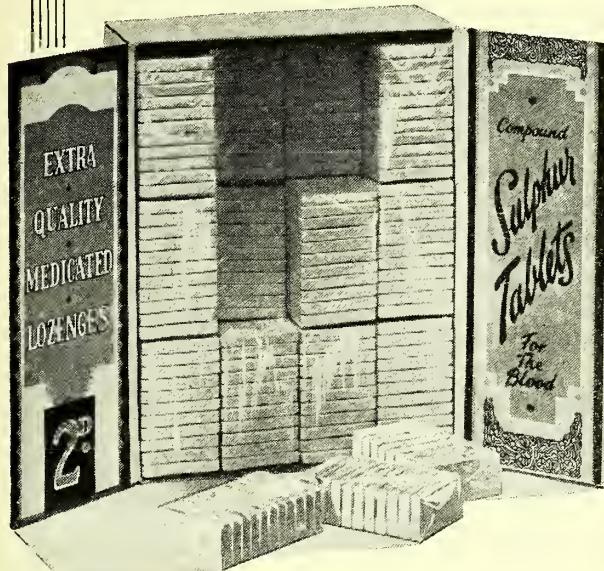
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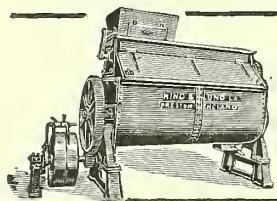
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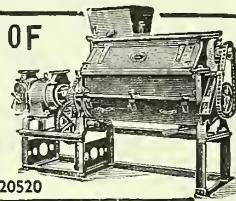
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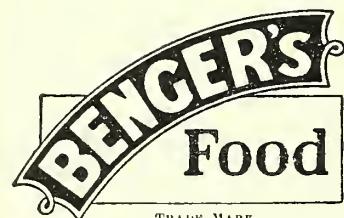
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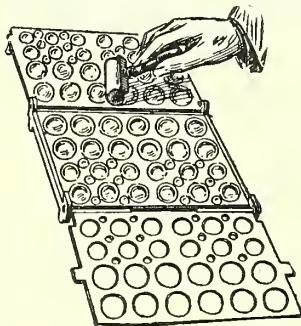
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The Chemists' and Druggists' Society of Ireland, and of  
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VOL. 124. NO. 2933

## CONTENTS

APRIL 25, 1936

	PAGE		PAGE		PAGE
Births .....	489	Editorial Articles:—		Marriages .....	489
Business Changes .....	489	The Budget .....	491	New Companies and Com-	481
Coming Events .....	484	Key Industries Report	491	pany News .....	481
Commercial Notes .....	500	B.M.A. Report .....	492	News in Pictures .....	483
Correspondence:—		GLASGOW WHOLESALE		News of the Week .....	475
Letters .....	501	BUSINESS .....	494	Personalities .....	489
Dispensing Notes .....	503	Indian Chemical Trade ...	496	Pharmaceutical Society of	
Miscellaneous Inquiries	504	Information Department	490	Great Britain:—	
Poisons Queries .....	503	Items in Parliament .....	492	Edinburgh Examination	
Council Candidates .....	486	Irish Notes .....	479	Results .....	482
Deaths .....	489	Key Industries Duties ...	496	North British Executive	482
Ergosterol .....	496	Legal Reports .....	480	Edinburgh Meeting .....	482

## News of the Week

## Essex Analyst's Report

Reporting on two samples of mercury ointment, the Essex County analyst states that there seems to be a good deal of perhaps not altogether unpardonable confusion about this drug, owing to the fact that there are various preparations of ointment containing mercury having different strengths. The term "Mercury Ointment" refers properly only to the so-named preparation of the British Pharmacopoeia. There are, however, two other well recognised weaker preparations, namely, "compound mercury ointment," also of the British Pharmacopoeia, and the "mercury ointment" (otherwise known as "weak mercury ointment") of the British Pharmaceutical Codex; the former contains 12 per cent. of mercury and the latter about 10 per cent. Ten samples of ointment were purchased by the county inspectors during the past quarter. In five cases the ordinary strong "mercury ointment" of the British Pharmacopoeia was quite correctly supplied to the purchaser. In the five other cases one or other of the weaker preparations mentioned was supplied. "In three of these cases," the report continues, "the vendor labelled the ointment in such a way that it could be identified as a weaker preparation, but in the other two cases these weaker ointments were improperly labelled as 'Mercury Ointment' without any indication that one of the weaker preparations was being supplied. Unless such ointment is being supplied in direct response to a medical prescription it is easy to understand that a pharmacist may sometimes hesitate to give the very strong preparation to a casual purchaser, lest the latter possibly may not know that there are strong and weak ointments bearing closely resembling names which may be easily confused; and he may think it safer in such case to supply a weaker article. But he should, as we have seen, was done in three of the five cases to which we have alluded, make it clear

that he is supplying one of the weaker preparations instead of the strong preparation which alone is strictly entitled to be described as 'Mercury Ointment.'

## The Pharmacy League

A meeting was held at 17 Bloomsbury Square, London, W.C.1, on April 21, in support of the candidature of Mr. J. E. Crowe (Sheffield) for election to the Council of the Pharmaceutical Society in May. Mr. Crowe urged that there should be a new Charter for the Society, although it would take about five years to get. Dealing with listed sellers, he said that the more this position was studied, the more dangerous it became. In the case of Oldham, with a population of 140,000, up to now they had had fifty applications. Manufacturers of proprietary disinfectants were circularising newspaper vendors and every hardware shop explaining how to obtain licences. He prophesied as many listed sellers as patent-medicine licensees unless something was done. There was one for every 3,000 of the population at present, but very soon they would have one for every 300. The listed sellers' question alone was sufficient to condemn any councillor seeking re-election. What was there to stop every trader becoming a listed seller if he so desired? With regard to the supply of foods and medicines by clinics, this was a national question affecting the taxpayers, and therefore could be brought forward by the Society. No one objected to those who could not afford to pay being given foods if necessary, but the system was being abused. There were instances of people driving up to welfare clinics in their motor cars and giving the food so obtained to their dogs. Pressure should be brought on the Government for the reservation of dispensing. A new Act of Parliament was required for territorial representation. One councillor should be allotted to a certain area, even if he did not live there. Mr. Crowe contended there was a

danger in the drug store proprietor. He advocated a link between the Society, the N.P.U. and the A.P.E. The Society could run a sick benefit scheme as well as an unemployment scheme. This would be equally as important to the small pharmacist in business as to the employee. There should be greater co-operation between the private and the company pharmacist. They were all striving for parliamentary representation, and to get that they would have to have support from the company pharmacists. They would need £10,000 a year (which was less than £1 a shop), and they should get ready at once even though the general election might not take place for three years.

Mr. Yardley asked whether, if dispensing was restricted to chemists, they would also prescribe. Mr. Crowe said they would obviously have to give up prescribing. They could not have their cake and eat it. Questioned as to Sunday opening, he said that speaking personally he hated it. If, however, he had to work, he considered he was entitled to another half-day off for it. In Rotherham there was a rota system of opening, one in ten. The meeting closed with a vote of thanks to the speaker and the chairman.

### A Winning Window



A DISPLAY BY MR. D. LLEWELYN JONES, M.P.S., COLWYN BAY, WHICH WAS AWARDED ONE OF THE CASH PRIZES IN THE RECENT "JOHN BULL" NATIONAL DISPLAY CONTEST

### Chiropodists' Graduation Dinner

That new high records in the number of cases treated in one day at the Manchester, Liverpool and London centres of the National School of Chiropody had been made was claimed by Miss W. R. S. Simmons on behalf of the London School, 133 Upper Street, Islington, N.1, at a graduation dinner held at the Princes Restaurant, Piccadilly, London, W.1, on April 17. The highest, she said, was Manchester with 347, London being not far behind. At the foot hospital at Islington an x-ray machine had been installed. Free service continued to be given to old-age pensioners and the unemployed. Mr. J. Coffey, another speaker, stated that between 53,000 and 54,000 cases had been treated in the previous year. He foreshadowed the time when local authorities and the Ministry of Health would come to their aid, since more efficient workers would be less of a drain on public resources in other directions. Mr. Coffey acknowledged assistance given by the Press, and issued an invitation to all interested to visit the foot hospital as sightseers. The Mayor of Islington drew attention to the long daily queues at the hospital as evidence of the urgent and clamant need of the institution, while Mr. R. A. King, M.B., F.R.C.S., humorously declared that he had been held up on his way to the dinner by the Rolls-Royces of past-students now in business for themselves. The chair was occupied by Mr. G. Gunnis Ferguson, M.B., C.M., and among the guests were Mr. W. Cluse, M.P., and Mr. F. J. Scholl.

### Inquests

An inquiry was held recently by the West Cheshire coroner concerning the death of Thomas A. Norris, a patient at the Cheshire County Mental Hospital, Upton, who died after taking promonal tablets during the absence of a nurse. The coroner, recording a verdict of "Misadventure," said the evidence did not suggest that the patient took the tablets with a view to suicide. As to the tablets being left where the man could get at them, it was perhaps only done momentarily, and showed the great care that ought to be taken in dealing with these drugs in an institution like this. The patient must have crawled along the floor from his bed, and if he had been a healthy man the small quantity taken would probably not have caused his death.

### Contracts

The following tenders have been accepted by the bodies named:—

Blackburn Town Council (Education Department).—C. A. Critchley & Co., Ltd., chemists, science materials.

Cardiff Public Assistance Committee.—Frank Edwards, Ltd., chemists, stainless steel ware and hot water bottles.

Great Yarmouth Education Committee.—Mr. D. Tunbridge, chemist and druggist, drugs, etc.

Isle of Thanet Public Assistance Committee.—D. T. Evans, Ltd., Margate, and Mr. J. H. Skitt, chemist and druggist, Ramsgate, drugs.

Lichfield City Council.—Boots, Ltd., drugs.

Lowestoft Town Council.—Mr. F. R. A. Larder, chemist and druggist, drugs, etc.

Malvern Urban Council.—Boots, Ltd., drugs.

Rochester Joint Hospital Board.—Ostler & Co., Ltd., chemists, drugs.

Slough Urban Council.—Mr. R. J. Hoare, chemist and druggist, drugs, etc.

Swale Rural Council.—Mr. E. Withers, chemist and druggist, Faversham, drugs, etc.

Whitby Urban Council.—S. L. Smith, Ltd., and Mason's Drug Stores, Ltd., drugs, etc.

### Sessional Events

A lecture on "The Preparation and Standardisation of Antitoxins and Prophylactics, with special reference to diphtheria," illustrated by cine film and lantern slides, was given to the Bolton and District Chemists' Association at the monthly meeting on April 16 by Mr. H. Garside, B.Sc., Ph.C. (Evans' Biological Institute). There was an attendance of about fifty, presided over by Mr. F. Brindle, Ph.C., and including the secretary (Mr. R. J. Dunne). A vote of thanks to the lecturer, proposed by Mr. C. Naylor, was heartily supported.

The cricket eleven of the Blackpool Branch of the Pharmaceutical Society will compete during the summer for a trophy given by Dr. R. H. W. Dunderdale to be played for annually by teams drawn from the local chemists, doctors and local police. The chemists meet the police on May 13 and the doctors on June 17, in each case on the Blackpool cricket ground. The chemists, should they show anything like last year's form, have an excellent chance of becoming the first holders of the trophy.

Mr. G. A. Mallinson (secretary of the N.P.U.) gave an address to the North Staffs chemists on the Chemists' Friends scheme on April 16. Mr. J. A. Dale presided, and Mr. H. H. Marshall, Birmingham (member of the N.P.U. Executive) was also present. Mr. Mallinson dealt in detail with the scheme, and acquainted the members with the recent negotiations conducted with the manufacturers' representatives. The outcome of these, he stated, had been a deadlock. The N.P.U. Executive felt the issue to be of such importance that they intended to put a referendum of members into operation immediately. Mr. W. H. Kemp proposed, and Mr. S. R. Farmer seconded, the following resolution:—"That this meeting of the North Staffs Branch of the N.P.U. thanks Mr. Mallinson for his address, expresses complete confidence in the N.P.U. Executive, and pledges itself to do everything possible to support

the C.F. scheme." This was unanimously passed. Supper at the Copeland Hotel, Stoke-on-Trent, preceded the meeting, the arrangements being made by the secretary (Mr. H. Moarby).

### Liverpool

Mr. Henry Peet, M.A., one of Liverpool's oldest chemists, celebrated his eightieth birthday on April 16. Mr. Peet is senior member of the Liverpool magisterial bench and an enthusiastic archaeologist and local historian.

Mr. J. Allen Jones, chemist and druggist, Great Crosby, Liverpool, has been elected chairman of the local urban district council. Mr. Jones is a member of the Lancashire County Pharmaceutical Committee, and was recently elected, for a second term, president of the Liverpool Branch of the P.D.A.

The annual meetings of the Liverpool Chemists' Association and Liverpool and District Branch of the Pharmaceutical Society were held jointly at the Royal Institution, Liverpool, on April 21, the president (Mr. G. L. Clubb) in the chair. The secretary (Mr. W. E. Humphreys) pointed out that the association report covered a period of fifteen months, owing to the alteration agreed upon at the last annual meeting whereby the Association's year would end on March 31 instead of December 31. The treasurer's report showed that, including an amount owing to the Association by the Branch, there was a credit balance in hand of £47. Proposing adoption, Mr. L. Moreton Parry remarked that he could not recall anywhere a better report or more satisfactory officials than they had in Liverpool. On the proposal of Mr. J. L. Hirst, Mr. G. L. Clubb was unanimously re-elected *President* of the Association and Branch. The following officers were also re-elected:—*Vice-President*, Mr. John Rae; *Secretary*, Mr. W. E. Humphreys; *Treasurer*, Mr. M. S. Hughes; *Auditors*, Messrs. J. S. Emery and G. Wilson. Messrs. R. Clitherow and A. J. Jones were elected to the council in place of Mr. L. D. Houghton, resigned, and the late Mr. W. H. Clubb. At the annual meeting of the Branch immediately following, the treasurer's report showed a balance in hand of over £24, which had been absorbed in part-repayment of a loan by the Association, leaving a sum of over £10 owing.

### London

At Highgate Police Court, on April 22, Dr. Eric L. Dobson, Kingsley Way, N.W., was fined 10s. on each of four summonses, with £5 5s. costs, for failing to enter in a register purchases of certain "dangerous" drugs. Dr. Dobson did not appear, and it was explained that he was in a nursing home.

The University of London announces three lectures on "Biochemistry of the Sterol Group" by Professor A. Butenandt at the School of Hygiene and Tropical Medicine on May 5, 7 and 8 at 5.30 p.m.; and three lectures on "Cardiac Glucosides" by Professor Arthur Stoll at 17 Bloomsbury Square, W.C.1, on May 12, 13 and 14 at 5.30 p.m. Admission is free in each case.

The auction catalogue of Christie, Manson & Woods for April 23 includes a statue of Hygieia, Goddess of Health, sent by Lord Melchett. It is usually known as the "Hope" Hygieia on account of its appearance in the Hope sale of 1917, and was executed in the Hadrianic period after the style of the fourth century B.C. Its modern history dates from 1797, when it was discovered at Ostia. The craftsmanship is of remarkable beauty. The result of the sale had not been received when we went to press. (Picture on p. 483.)

The staff dance of Savory & Moore, Ltd., held at the Portman Rooms, London, W.1, on April 16, was the largest yet given by the firm, attracting nearly 450 people. The directors were represented by Mr., Mrs. and Miss Neathercoat, Mr. and Mrs. Umney and Mr. Savory. Many of the provincial branch managers, and of the Tottenham factory staff, were also present. Mr. Neathercoat, in a short speech, said he was glad to see the staff dance improving in size and quality. That was just as it should be. He thanked the social committee for their work. Spot prizes, given by Apollinaris, Ltd., Harriet Hubbard Ayer, Ltd., Morny, Ltd., and Coty, Ltd., were presented by Mrs. Neathercoat, to whom and to Mrs. Umney bouquets were handed by the youngest member of the staff.

### Manchester

The annual meeting of the Manchester, Salford and District Branch of the Pharmaceutical Society was held at the Victoria Hotel on April 16, Mr. J. H. Franklin in the chair. The report of the executive and the treasurer's report and balance sheet were submitted by the secretary (Mr. T. Miller) and adopted. Votes of thanks were accorded to the president and the other officials and to the auditor, Mr. J. W. Bygott, who was re-elected. The old members of the executive were re-elected. Mr. Franklin, introducing a discussion on the Poisons List and Rules, gave a detailed exposition of the statutory requirements. He referred to the First Schedule and exemptions from it, the storage of poisons, the treatment of strychnine and its salts, the restrictions in Schedule IV, the keeping of records and other matters. Mr. Franklin concluded by saying that the explanation was merely introductory, and he and Mr. Simmons would endeavour to solve any problems that might be suggested. Questions were asked, and the meeting continued to a late hour.

### Southport

A meeting for the presentation of prizes to successful students and to hear an address by Mr. F. W. Adams, B.Sc. (assistant secretary of the Pharmaceutical Society), on the new poisons enactments was held by the Southport Pharmacists' Association on April 14. Supporting the chairman (Mr. T. Pickering) were Mr. L. Moreton Parry, Liverpool (a member of Council), Mr. T. R. Newton (secretary), Mr. L. G. Meachim (treasurer), and Mr. F. Blomley, B.Com. (principal of the Southport Technical College). The prize-winners were: Norman Pilling (868 marks out of a possible 1,000), Albert Carver, Hymie Hirshman, Thomas Banks, James Holbem (900 marks out of a possible 1,000), and Albert Hogg. Mr. Adams, having presented the prizes, said he could claim to have some knowledge of the Pharmaceutical Society examinations. He had been a candidate, an examiner's assistant, and for a number of years he had been concerned with the administration of examinations. Where the candidate was properly prepared for the Society's examination there was nothing for him to fear. Examinations were, in his opinion, an essential factor in educational life. His advice to pharmaceutical students when they went to their examination was just to answer the questions put to them and not to attempt to camouflage any reply. Mr. Blomley referred to the erection of the Technical College in Southport for training in vocational education. It would interest the students to know that that Pharmacists' Association had given great help on the board governing the College. Mr. Adams then gave his address on the poisons regulations. Whether they liked some of the requirements or not, he said, they must observe them, though he might say they did not make very great changes in pharmaceutical practice. They altered the law but only gave legal force to what had been practised in all well-regulated pharmacies. Pharmacists would not have to learn a lot of things they did not know already. Mr. Adams then answered a number of questions. A considerable time was spent over a hypothetical case in which a prescription had been used so many times that there was no space left to put on the necessary stamp. The question was whether the chemist would be justified in pasting the prescription on to a larger piece of paper. Mr. Adams said he did not know anything against such a procedure, though he was not prepared to say it was in order or in accordance with the law. It was one of those questions that would have to be decided when it arose. Mr. H. Barton disagreed. They would not be allowed, he thought, to gum a piece of paper to any prescription. Asked if a hundredweight of oxalic acid in a sack would be properly labelled with a tie-on label bearing the name and address of the seller, Mr. Adams said there were various types of sack, and the first point would be as to whether the sack was impervious to the poison. When the container was satisfactory it would have to be labelled, and he did not think a tie-on label would be sufficient. The label ought to be sewn on to the sack. In reply to Mr. Barton, Mr. Adams said he could not give a definition of a "sack." Replying to questions about First Schedule poisons, he said there were no official forms; there was only the prescribed wording. The certificate might be written by hand so long as it contained the prescribed wording and was set out in the way the Schedule set it out. Mr. Barton proposed a vote of thanks. Mr. Orr, who seconded, did not think the Pharmaceutical

Council had done what it should have done with this Pharmacy Act. He regretted that circumstances prevented the best element in pharmacy being attracted to the Council. He admired Mr. Adams's address. Mr. Macdonald supported. Mr. Parry said his audience knew very well that those regulations were not of the Council's making; they were forced upon them. A good deal of the criticism that night could be turned round on to the members themselves.

### Miscellaneous

**MALT EXTRACT.**—The specifications for various malt extracts, referred to in our issue of February 22 (p. 201) when published in draft form, have been approved by the Minister of Agriculture and Fisheries, and may be obtained (S.R. & O., 1936, 309: 2d.) at H.M. Stationery Office.

**INSPECTION UNDER THE DANGEROUS DRUGS ACTS.**—The Chief Inspector (Dangerous Drugs), Home Office, directs our attention to a statement reported in the *C. & D.*, April 11, p. 423, and desires us to point out that the position with regard to the inspection of dangerous drugs registers, etc., is not altered by the Pharmacy and Poisons Act, 1933.

**BRITISH INDUSTRIES FAIR, 1937.**—The Department of Overseas Trade announces that the British Industries Fair will take place next year from February 15 to February 26 in London and Birmingham. In addition to Olympia, the Department has leased the new exhibition buildings now under construction at Earl's Court. The textiles, furniture fabrics and furniture sections which have been housed at the White City will be transferred to Earl's Court; and the Empire Section will be moved there from Olympia.

### Scottish Notes

#### Brevities

Professor George Barger, D.Sc., F.R.S., Professor of Chemistry in Relation to Medicine at Edinburgh University, was presented with the Longstaff medal for 1936 at the recent annual meeting of the Chemical Society at Bristol.

The "Australasian Journal of Pharmacy" of February 29, 1936, contains a long article on Mr. John Spencer, managing director of Isaac Spencer & Co. (Aberdeen), Ltd., and technical adviser to British Cod-Liver Oil Producers (Hull), Ltd., who arrived in Australia during February.

The Dundee, East of Scotland and Central Scottish Branch of the Pharmaceutical Society was visited by Mr. E. S. Peck (president of the Pharmaceutical Society), accompanied by Mr. J. Rutherford Hill, on April 14. The meeting was of an informal nature, and Mr. Peck spoke on the present-day position of pharmacy, referring to the new poisons regulations. A lively discussion followed in which Mr. Peck, Mr. J. Rutherford Hill, Mr. Jack and Mr. Bennett (Arbroath) took part. Mr. Peck was thanked on the motion of the chairman (Miss E. A. Carlton).

At the Renfrew Court, held in the Burgh Court Room on April 14, an application for a new licence from Mr. Robert B. Kelso, Ph.C., Greenlaw Avenue, Paisley, to allow the sale of medicated wines at his shop, 56 Hairst Street, was considered. Mr. D. Robertson, who appeared for the applicant, said that each time Mr. Kelso had received a request it had been necessary to go to a licensed grocer to obtain a supply. Opposition was offered on behalf of the Scottish Temperance Association. It was declared that the medicated wines which the applicant desired to sell contained drugs which were harmful to persons taking them in large quantities. The licence was granted.

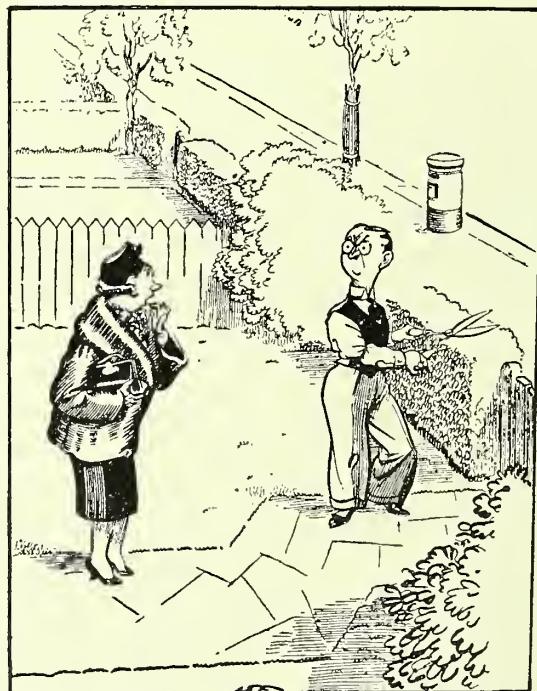
A meeting of Banffshire pharmacists was held in the Grant Arms Hotel, Cullen, on April 15, for the purpose of forming a Banffshire Pharmaceutical Association. The previous association had not met for several years, and it was felt that a strong and representative association was required to conserve the professional and trade interests of pharmacy. The meeting was fully attended, and it was enthusiastically agreed to form such an association. The following were elected office bearers:—*President*, Mr. G. W. Findlay, Cullen; *vice-president*, Mr. G. A. MacGregor, Dufftown; *secretary and treasurer*, Mr. E. Fraser, Buckie; *executive committee*, Messrs. W. Geddes, Keith; A. H. Murdoch, Macduff; G. M. Smith, Aberdour.

### Edinburgh

The result of the Edinburgh Chemists' competition for club prizes played over Turnhouse course on April 15 was as follows:—1, E. Randall (10) 76; 2 (a tie), J. A. Darroch (20) and A. Henderson (3) 77; 4, J. B. Crawford (22) 82.

The sixth meeting of the present session of the Edinburgh Chemists', Assistants' and Apprentices' Association was held at 36 York Place, Edinburgh, on April 17. Mr. F. J. Jackson, Ph.C. (president) in the chair. Mr. D. J. A. Paton gave an address on "Chemical Dynamics," in which he illustrated by practical examples the fact that chemical reaction is not dictated solely by the chemical nature of the substances reacting, but is greatly affected by external conditions. He gave several examples. Count Berthollet, he said, was led in the early part of the nineteenth century to suggest that chemical action was determined primarily by the relative masses of the reacting bodies and by such other circumstances as their solubility, volatility, etc., chemical affinity being of secondary importance. Berthollet's view was now accepted so far that no measure of the relative affinities of the elements could be reached without allowing for the influence of time, mass and temperature. The effects of pressure, exothermic and endothermic bodies, the heat of chemical reaction, and chemical affinity were also fully explained by illustrative examples.

Mr. William Stout (secretary) submitted the annual report indicating a successful session, and Mr. W. E. Herd, (treasurer) submitted the financial statement showing a substantial balance in hand. It was agreed to make a donation of £1 1s. to the Benevolent Fund of the Pharmaceutical Society. The following were elected office-bearers for the ensuing session:—*President*, Mr. J. Ferguson; *vice-president*, Mr. W. E. Herd; *secretary*, Mr. William Stout, 14 Belmont Gardens, Edinburgh, 12; *assistant secretary*, Miss Mary L. Sutherland; *treasurer*, Mr. Herbert R. Dootson; *lantern operator*, Mr. W. Collins; *committee*, Misses McLucas and Leusk, Messrs. McPherson, Paton, Paterson, Scott and Williamson; *prize committee*, Messrs. H. W. Blair, F.C.S., A. Currie, Ph.C., H. Stout, Ph.C., with the president, vice-president and secretary. A vote of thanks accorded to the retiring office-bearers, on the motion of Mr. Beattie, was acknowledged by Mr. F. J. Jackson.



WARE POISON

"George, I wish you'd go to the chemist's for the weed-killer. . . . He gave me such a funny look last time!"

(By courtesy of the Glasgow "Evening News.")

## Irish Notes

### Irish Drug Association

At the fortnightly Committee meeting of the Irish Drug Association, held on April 20, Mr. T. C. Scott (president) was in the chair. A resolution was received from the Westmeath Federation of Pharmaceutical Chemists urging the Association to co-operate with the Federation in urging the Pharmaceutical Society of Ireland to seek more protective legislation for pharmacy than that already in force in the Free State. The Committee had under consideration the report received from the I.D.A. representatives who conferred recently with delegates of the Irish Distributive Workers' Union regarding the demands made on behalf of chemists' assistants. The Committee unanimously rejected the proposed terms of employment, and the secretary of the Union was accordingly informed to this effect. In pursuance of the active interest being taken by the I.D.A. in the photographic business of their members, a questionnaire was dispatched to all I.D.A. members regarding this season's developing and printing charges. As the proposed minimum scale is acceptable to over 75 per cent. of members in the Dublin district, members were requested to refrain from advising the public by advertisements, etc., of their charges for D. and P. work pending Mr. Brendan Smith's calling on members, and the I.D.A. reaching an agreement with the various finishers in the country.

### Brevities

Mr. Robert L. Hanna, L.P.S.I., is opening a pharmacy at Clonkeen Road, Dean's Grange, Blackrock, co. Dublin.

At Dundalk, on April 15, a young man, described as "Professor O'Brien, F.N.C.M.P.T., Cork," was bound over for three years and was ordered to refund sums amounting to £3 12s. 6d. obtained by selling preparations alleged to cure rheumatism and other diseases. The evidence at the hearing of the case produced considerable amusement. It was stated that the defendant's medicines contained only coloured water.

The Irish Chemists' Golfing Society's first outing of the season was held, under ideal weather conditions, at the Curragh Golf Course, co. Kildare, on April 19. Both retail and wholesale sections of the trade were well represented. The competitions were for a set of trophies presented by May, Roberts & Co., Ltd., and by A. de St. Dalmas, Ltd. The May, Roberts first prize was a set of silver entrée dishes, and the second a clock; the St. Dalmas first prize was a silver tea service, the second a clock. In the morning contest for the St. Dalmas prizes, the premier award went to Mr. A. W. Hughes. Mr. L. Clarke won the second prize. In the afternoon there was a keen struggle for the May, Roberts trophies, resulting in a tie between the society's secretary (Mr. A. F. Roche) and Mr. Brendan Smith (organiser of the I.D.A.). On a draw the first prize went to Mr. Smith. The captain of the society (Mr. J. D. Whelan, M.P.S.I., Galway) presented the prizes, and complimented the Curragh Golf Club on the excellence of their course and catering arrangements. The next outing of the society will be to Galway, commencing on May 25, for three days. Special rates are being arranged at local hotels for competitors. There will be prizes for all classes.

### Belfast

The pharmaceutical chemists of Falls Road area, Belfast, have decided that as from May 1 they will close at nine instead of ten p.m. This area includes Divis Street, Springfield Road, and other centres.

At a meeting of the Belfast ladies' committee last week it was reported that the recent dance at the Plaza in aid of the Benevolent Fund had realised a profit of £43, after paying expenses. Mrs. Storey complimented the committee on their work.

Mr. Fred Storey, Ph.C. (president of the Belfast Wholesale Merchants' and Manufacturers' Association), was honoured with an invitation to the levée of the Lord Chief Justice at the opening of the Easter term in the Royal Courts of Justice, Belfast.

## Topical Reflections

By Xrayser

### The Labelling of Poisons

under the new Act, the labelling provisions of which take effect as from May 1, is already exercising the minds of retailers and wholesalers. A great deal of work and responsibility in this matter will be thrown upon the label houses, and particularly upon the wholesale houses who pack for pharmacists preparations containing poison under the chemist's name and address. I hear good reports by manufacturers and wholesalers regarding the C. & D. Poisons Guide. The Poisons Rules are not easy to grasp, and it is imperative that some quick and convenient method is available for answering questions on them, particularly regarding labelling. The Guide is already proving a philosopher and friend along these lines to many pharmacists; I have spent some time in putting to it hypothetical questions, which in every case have been answered with the minimum of trouble.

### Strange Ideas

are abroad concerning apprenticeship. I note, for instance, the scheme put forward recently at Hanley, where a speaker, on the assumption that an educated man should be able to absorb counter work more quickly than a youth who had just left school, suggested that a university course of three years should precede a year's practical work in shop or hospital. This idea seems to be based upon Mr. Wackford Squeers' method of first teaching a boy how to spell "winder" and then sending him to clean it. Apprenticeship cannot be divorced from the practical work that should be carried on during the period assigned to it; and I suggest that the university apprentice, educated under the conditions outlined, would be even worse than are many trained under present conditions. Pupilage should be a happy mixture of theory and practice: the ideal master—how few there are—trains his apprentice in the principles of his calling and explains to him

those underlying each operation. When I remember how I was grounded in the art of massing pills under all kinds of conditions, and how I developed "corns" on the palm of my hand, I realise that I had a training few men get now; this is not altogether the fault of their employers, because there are not the opportunities of pill-making that there were when I was an apprentice. I cannot, however, visualise a man who had spent three years in a university attaining any skill afterwards as a pill-maker. Knowledge of the principles underlying the art can be fully grasped only as it is practised.

### The Branch System

of the Pharmaceutical Society is in a somewhat chaotic state; I am glad that a discussion has taken place upon it (p. 449). There are still districts with quite a number of members of the Society where meetings are never held, principally because the headquarters of the Branch are twenty or even thirty miles away. I know of one such case; between headquarters and the town in question there are two towns, the members in which belong to another branch; it is such anomalies as these which will have to be removed before much progress in organisation will be achieved. There is, too, a good deal of overlapping in the case of chemists' associations. These were formed in many cases before either the branch of the Pharmaceutical Society or the local branch of the N.P.U. were possible. Such an association may now comprise local members of the N.P.U., but not necessarily local members of the Society, because many of such may not be in retail business; questions affecting both Society and N.P.U. may be discussed at meetings of both associations, with consequent waste of effort. Territorial representation would undoubtedly help in getting territories into shape, although there would probably be some difficulty for the pharmacists upon the edge of a territory in attending meetings at the capital of the territory, as not enough electors could be found in small towns to warrant a meeting.

## Legal Reports

**Pharmacy Acts (Ireland).**—In the Dublin District Court, recently, John Currid, 44 Parnell Street, Dublin, was prosecuted at the instance of the Pharmaceutical Society of Ireland for having on January 18 made, as alleged, a false statement in writing in reply to an inquiry on behalf of the Society made by the registrar under the Pharmacy Acts, by failing to give the true name and address of the proprietor of the "Dublin Pharmacy" carrying on business at 44 Parnell Street. Having heard the evidence, the justice said that according to the Section under which the summons was brought this offence was deemed a "misdemeanour," and he must decline jurisdiction of a misdemeanour punishable by imprisonment, for which no jurisdiction was given by the Courts of Justice Act, 1924. He added that the Section of the Pharmacy Act in question was grotesque. On a second summons for keeping an open shop on January 23 last for the dispensing of medical preparations, not being legally qualified to do so, the defendant was fined £5, with £2 costs. His defence was that he was not the sole proprietor of the shop, and they employed a qualified chemist. Mr. John J. Gaynor, solicitor, prosecuted.

**Interim Injunction.**—In the Chancery Division of the High Court, London, on April 21, before Mr. Justice Clouston, Mr. R. Burrell, appearing for plaintiffs in an action by Cupal, Ltd., manufacturing chemists, Blackburn, against J. H. Chapman, trading as the Reuglo Co., moved for an interlocutory injunction to restrain the defendant from infringing the plaintiffs' registered trade mark "Rayglo," from passing off goods not manufactured by the plaintiffs as and for their goods, and from carrying on business similar to that of the plaintiffs under the name Reuglo. Mr. Burrell stated that the plaintiffs had registered the trade mark "Rayglo" in Class 3 for chemical substances. The mark had also been associated with a device of a sun. The defendant was advertising and selling a preparation under the name Reuglo, which, it was alleged, infringed the plaintiffs' trade mark. On the suggestion of his lordship Mr. Burrell said that plaintiffs would confine the motion to passing off. The defendant, who appeared in person, denied that he was passing off his food preparation as and for the plaintiffs' goods or that confusion had arisen through the use of the name Reuglo, which he thought of in connexion with rheumatism. His lordship said it was plain the two names were much alike and there could not fail to be confusion. He would grant an injunction until the trial restraining the defendant from passing off goods not manufactured by plaintiffs as and for their goods, and from carrying on business similar to the plaintiffs' under the name Reuglo or any other name colourably resembling the plaintiffs'.

**Dangerous Drugs Acts : Appeal Dismissed.**—At London Sessions, on April 17, Dr. Joseph Hirschmann, Maida Vale, W., appealed against three fines of £50, with £10 10s. costs, which had been imposed at Marylebone Police Court for failing to comply with the Dangerous Drugs (Consolidation) Regulations (C. & D., March 7, p. 272). Mr. G. G. Raphael, supporting the magistrate's decision, said that Dr. Hirschmann treated the matter in an extremely casual way. Mr. M. Garsia, for the appellant, declared that he was a man of the highest possible character, and he could call a Harley Street specialist, who would say that he was not the sort of man who would supply drugs improperly. At the police court he pleaded "Guilty," on advice, to the three charges of failing to record particulars of drugs obtained by him, but in every case there was evidence that he had done nothing improper. Dr. Hirschmann was advised it was purely a technical matter and would be met by a small fine. It was not true to say he treated the matter with levity. The magistrate, in inflicting the fines, said he regarded the case with such gravity that if the money was not paid by the end of the day there would be an alternative of imprisonment. Dr. Hirschmann felt that with that remark, and the suggestions that had been made against him, he should take steps to lay the whole facts before the Appeal Court, because his reputation was involved. Dismissing the appeal, and ordering Dr. Hirschmann to pay £10 10s. additional costs, the chairman observed that the Court did not take a different view from that of the magistrate.

**Mercury Ointment Cases : Appeals.**—At London Sessions, on April 17, three appeals were heard in connexion with the sale of mercury ointment. In each case the respondents were the Bethnal Green Borough Council, and the appellants had been convicted at Old Street Police Court (C. & D., January 25, p. 94). Mabyn & Co., Ltd., chemists, appealed against a fine of £5 with £2 costs; W. M. Fox & Sons, Ltd., chemists, appealed against a fine of £5 with £5 costs; Winters Chemists, Ltd., appealed against a conviction and fine of £5 with £2 costs. The two appeals against the penalties were taken first. Mr. Christmas Humphreys appeared for the respondents, and Mr. H. Glyn-Jones for the appellants. Counsel said the facts in the two cases were exactly the same. The appellants, through their assistants, supplied ointment which was 65 per cent. deficient in mercury, inasmuch as it contained 10.1 per cent. instead of 29 per cent. In the first case, the lady assistant of the inspector of the Council went into the shop and asked for a shillingsworth of mercury ointment, and at the same time handed over a slip of paper on which the words "mercury ointment" were written. There were no previous convictions against the company. Fox & Son, Ltd., was a similar case, but there were two aggravating circumstances. One was that the manager told Inspector Weeks that he was at liberty to sell anything for mercury ointment, because there was no standard in the British Pharmacopœia, and the second was that there were two previous convictions against the firm. Addressing the Committee on behalf of the two appellants, Mr. Glyn-Jones said he first of all wished to clear up the allegation that Messrs. Fox's manager did not know his business. As a fact, nothing was said at the police court that the manager told the inspector that mercury ointment was not in the B.P. He could hardly conceive it possible that a qualified man should make such a statement. The manager was looking after the shop while the directors had appeared to support this appeal, so that he could not be called to refute it. In 999 cases out of 1,000, if a person asked for mercury ointment, what was wanted was mercurial ointment. It was not a chemist's business to hand out dangerous substances automatically. Counsel said he would seriously put forward the view that a food and drugs inspector considered he was wasting his time unless he could secure convictions, and that was why he had chosen a substance which would embarrass the chemist and make him honestly fall into a technical error. There was a lack of discrimination in dealing with offences under the Food and Drugs (Adulteration) Act. Dismissing the appeals and ordering the appellants to pay £5 5s. each additional costs, the chairman said, "We think it is greatly important that the chemist, when he is applied to to supply a particular article and precautions are taken to write the name of it down, should supply that article."

On the appeal of Messrs. Winters, Mr. Humphreys said the facts were the same in substance, only that the chemist supplied golden eye ointment. Mrs. Sarah Boniface gave evidence of purchase. Cross-examined, she agreed that there were two young girls in the shop, one of whom was apparently dressing the window. She was referred to Miss Pattinson, who was dressing the window, who asked her what it was for. She said she did not know, as she wanted it for a friend. After the two assistants had given evidence that they had never had a request for mercury ointment, and told Mrs. Boniface to bring it back if it was not the right article, Dr. William O'Donovan, physician at the Skin Hospital, said he would consider it inadvisable to put mercury ointment in the hands of the public, because it was liable to give a rash if used without medical advice. He had never known a demand in the East End of London for mercury ointment by the public for self-treatment. Addressing the Committee, Mr. Glyn-Jones criticised the Council employing an agent who was deaf and therefore unable to hear all that transpired. He pointed out that the two young girls had given their evidence in a proper and intelligent manner. Yet, when the magistrate at the Police Court fined the appellants, he remarked, "What is the use of calling these girls with the intelligence of a lower housemaid to give evidence before me?" After consulting his colleagues, the chairman said: "The opinion of the Court is that the appeal should be allowed, and they accept the evidence given by Miss Pattinson." The Committee allowed the appellants £10 10s. costs against the Council.

# New Companies and Company News

P.C. means Private Company and R.O. Registered Office

L. M. WELSH, LTD. (P.C.).—Capital £400. Objects: To carry on the business of chemists, opticians, etc. R.O.: 7a The Borough, Hinckley, Leics.

MOUNTVIEW DEVELOPMENT CO., LTD. (P.C.).—Capital £100. Objects: To carry on the business of chemists, druggists, etc. R.O.: 39 Park Road, Crouch End, N.8.

PYNEX PRODUCTS, LTD. (P.C.).—Capital £300. Objects: To carry on the business of manufacturers of and dealers in disinfectants, etc. Solicitors: Scofield & Co., Gipsy Corner, W.3.

PEOPLE'S POPULAR PREPARATIONS (1936), LTD. (P.C.).—Capital £5,000. Objects: To carry on the business of a drug stores, chemists, etc. R.O.: Liverpool Chambers, 8 Liverpool Gardens, Worthing.

CLEENEZE SUPER PRODUCTS, LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of manufacturers and dealers in all kinds of toilet articles, soaps, etc. R.O.: Batten's Yard, High Street, Peckham, S.E.15.

KAHN PRODUCTS, LTD. (P.C.).—Capital £500. Objects: To carry on the business of chemists, druggists, opticians, etc. The first directors are to be appointed. Solicitors: Brown, Turner & Co., 3-4 Clements Inn, W.C.2.

OXYGEN THERAPY EQUIPMENT, LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers of and dealers in oxygen therapy equipment, anaesthetical, surgical, dental, optical and scientific instruments, etc. R.O.: 33 Devonshire Street, Marylebone, W.1.

JOSEPH LONG, LTD. (P.C.).—Capital £4,000. Objects: To acquire the businesses of Joseph Long and G. F. Eve & Co., carried on by A. O. Jones at 43 Eastcheap, and Earl's Buildings, Featherstone Street, E.C., respectively, and to carry on the business of manufacturers or vendors of scientific and medical instruments and appliances, etc. R.O.: 43 Eastcheap, E.C.3.

BRITISH SANOCRIN CO., LTD.—At a meeting held in London on April 15 it was resolved that this company be wound up voluntarily. Mr. F. L. Rouse, 8 New Court, Carey Street, London, W.C.2, was appointed liquidator.

FRANCIS RIDDELL, LTD., Sentinel House, Southampton Row, London, W.C.2, manufacturers of medicines. The nominal capital has been increased by the addition of £24,900 beyond the registered capital of £100. The additional capital is divided into 20,000 6 per cent. cumulative preference shares of £1 and 98,000 ordinary shares of 1s. each. The 100 shares of £1 in the original capital have been subdivided into 2,000 ordinary shares of 1s. The company has also been converted into a public company.

BRITISH OXYGEN, LTD.—Final dividend of 8 per cent., less tax, is announced on the ordinary stock. A bonus issue of two ordinary shares for every £7 of stock held, involving the capitalisation of £552,372 from reserve, was made last month, and these shares rank for the dividend now announced. An interim dividend of 7 per cent. was paid in November last. The dividend is thus maintained at 15 per cent. for the year on the larger capital ranking as a result of the above bonus issue and also the 276,186 shares issued in July, 1935, at £3 10s. per share.

EUCRYL, LTD.—The directors' report and balance sheet for the year ended December 31, 1935, shows that the profit for the year amounted to £12,326 9s. 7d., to which is added £4,334 os. 4d. brought forward, making a total of £16,660 9s. 11d. Out of this the following dividends have been paid:—Interim dividend of 5 per cent. on the preferred ordinary shares (less tax), £1,453 2s. 6d.; interim dividend of 5 per cent. on the deferred ordinary shares (less tax), £1,218 16s. 10d.; further dividend of 5 per cent. on the preferred ordinary shares (less tax), £1,453 2s. 6d.; further dividend of 7½ per cent. on the deferred ordinary shares (less tax), £1,889 4s.; making a total of 10 per cent. on the preferred ordinary shares and 12½ per

cent. on the deferred ordinary shares for the year. A bonus to the staff, £350; income tax, £2,000; transferred to reserve against investment in a subsidiary company, £500. The directors recommend that the balance be dealt with as follows:—Directors' fees, £500; general reserve, £1,000; writing down goodwill, £2,592 15s.; balance to be carried forward, £3,703 9s. 1d. The final dividend was anticipated by the distribution made on January 1, 1936. Mr. H. W. Seymour Howard is the retiring director, and being eligible, offers himself for re-election.

## Voluntary Liquidation

Wilds (Royton) Ltd., Royton, chemists. At the statutory meeting of creditors held recently the statement of affairs showed ranking liabilities of £478 1s. 3d. The assets totalled £448 5s. 6d., and were estimated to realise £338 3s. 4d. From the latter figure had to be deducted £14 6s. 8d. for preferential claims, leaving net assets of £323 16s. 8d., or a deficiency, as regarded the creditors, of £154 4s. 7d. The issued capital was £100, bringing up the total deficiency to £254 4s. 7d. The company was incorporated in November 1933, taking over an existing business. The purchase price of the business was agreed at £326, but that amount was left on loan to the company. In addition the vendor purchased practically the whole of the shares which were issued. During the year to November 1934 there was a net profit of £34 on a turnover of £787, whilst in the following year the sales fell to £674, and there was a net loss of £10. It was decided to confirm the voluntary liquidation of the company, with Mr. H. Vogel, C.A., of Manchester, as liquidator.

## Bankruptcy Reports

Re John David Williams (described in the Receiving Order as J. D. Williams), 26 High Street, Blaenau Ffestiniog, chemist. The public examination was held recently at Portmadoc. Debtor had returned liabilities of £1,862, with assets of £148, or a deficiency of £1,714. He commenced business at Blaenau Ffestiniog in 1923, with a borrowed capital of £100, since repaid, but had had to borrow other money from relatives with which to carry on. His profits had been absorbed by overhead expenses. He added that he owed one creditor £687, and there was another claim for £166. The examination was closed.

Re Ernest Alma Darley, 11 Axe Street, Barking, Essex, and 71a Chrissip Street, Poplar, E., drug store proprietor and optician. This debtor filed his own petition recently, and has returned a statement of affairs showing gross liabilities of £1,244 3s., of which £647 1s. 4d. is expected to rank for dividend. There are net assets of £13 os. 11d., or a deficiency of £634 os. 5d. Debtor states that on November 7, 1930, he agreed to purchase a chemist's business at Bold Street, Southport. Debtor continued the business as a drug store, and it was successful. In August 1934 he qualified as an optician and afterwards traded as such. In December 1934 the business at Bold Street, Southport, was transferred to a limited company, of which debtor was appointed a director. On December 17, 1934, debtor purchased a drug store business carried on at 11 Axe Street, Barking, but it was not successful. In February 1935 debtor verbally agreed to purchase a chemist's business at Lillie Road, Fulham. After taking over, however, the turnover was only about £4 a week, and in May 1935 debtor closed that shop. Towards the end of 1935 a third party promised to purchase the business at 11 Axe Street, Barking, and in anticipation of that sale debtor, on January 8, 1936, obtained a weekly tenancy of 71a Chrissip Street, Poplar. He commenced a drug store and optician's business there, but the proposed purchaser of 11 Axe Street, Barking, did not proceed with the matter. Since then debtor had been under pressure by creditors, and following a meeting of the principal creditors in February last he was advised to file his petition. Debtor attributes his present position to loss of money invested in a limited company, taking over liabilities of the company and purchasing a business at a price in excess of its value.

# Pharmaceutical Society of Great Britain

## Edinburgh Examination Results

THE following are the results of the examinations held in Edinburgh during April:—

	No.	PRELIMINARY SCIENTIFIC EXAMINATION				CHEMIST AND DRUGGIST QUALIFYING EXAMINATION			
		Absent	Failed	Referred	Passed	Absent	Failed	Referred	Passed
Entered for Prelim. Sc. exam. ...	172	4	92	39	37	—	—	—	—
Referred subject in Prelim. Sc. exam. ...	41	—	—	14	27	—	—	—	—
Entered for C. and D. exam. ...	28	—	—	—	—	1	9	12	6
Referred subject in C. and D. exam. ...	14	—	—	—	—	—	4	10	—
	255	4	92	53	64	1	9	16	16

Candidates have been referred as follows: Botany, 22; chemistry, 8; physics, 23; pharmacy, 13; pharmaceutical chemistry, 3.

Candidates have failed as follows: Botany, 85; chemistry, 78; physics, 88; pharmacognosy, 3; pharmacy, 8; pharmaceutical chemistry, 8; forensic pharmacy, 2.

The following candidates have satisfied the examiners in the Chemist and Druggist Qualifying examination:—

Aindow, W. J., Prescot  
Anderson, William, Glasgow  
Bardon, W. B., Harrogate  
Barker, Arthur, Todmorden  
Fairless, W. B., Ashton-in-Makerfield  
Gledhill, Helen, Edinburgh  
Gordon, Reuben, Leeds  
Howarth, William, Wakefield  
Jackson, T. T., Sunderland

MacPherson, Flora, Glasgow  
Peacock, J. M., Thornaby-on-Tees  
Slater, Alexandra B., Edinburgh  
Tait, Thomas, Sunderland  
Thomson, George, Aberdeen  
Walker, Alexander, Aberdeen  
Williamson, J. C., Dunfermline

## North British Executive

A meeting of the Executive of the North British Branch of the Pharmaceutical Society was held at 36 York Place, Edinburgh, on April 15, Mr. F. W. M. Bennett in the chair. The chairman extended a cordial welcome to the president of the Society. The question whether, under the Poisons Rules, prescriptions for luminal marked to be dispensed more than once could be dispensed any number of times was discussed and revealed a distinct difference of opinion. It was agreed to suggest to the Council that the Rule ought to be revised so as to leave no room for doubt. It was reported that all Scottish Branches had been advised to communicate with Scottish members of Parliament, asking their support for the Medicines and Surgical Appliances (Advertisement) Bill. It was pointed out that although the Shops (Sunday Trading Restriction) Bill did not apply to Scotland it was necessary to secure that nothing should be passed in the English Bill which might prejudice the position of chemists in Scotland. The Executive, after discussion, agreed to support the policy of securing an amendment on the report stage that would meet the objections of pharmacists in business as well as of the assistants. It was reported that a letter had been sent to the Church of Scotland authorities, pointing out that their statistics of Sunday trading in Scotland in some districts included chemists, and explaining that chemists were not open on Sunday for trading purposes but for the supply of medicines and surgical appliances required in illness. A reply from the Church of Scotland authorities thanking the Executive had been received. It was reported that the negotiations with regard to the recognition by the Society of the Glasgow B.Sc. degree in pharmacy had been satisfactorily completed, so that the degree would be recognised for purposes of registration in the same manner as the B. Pharm. of London University. Statistics were put forward with regard to the plan for extension of public pharmaceutical service on the lines of the National Health Insurance scheme throughout Scotland. Up to date through the Central Checking Bureau, Glasgow, the plan had been carried out for tuberculosis by eighteen burghs and twenty-six counties; for public assistance by thirteen

burghs and thirteen counties; for child welfare committees by two burghs and three counties; for education committees by two counties; for police departments by two burghs; for V.D. committees by one county; for clinics by two counties; and for the public medical service in conjunction with the British Medical Association by Edinburgh burgh and Ayr county. The election of Executive was fixed for June 17.

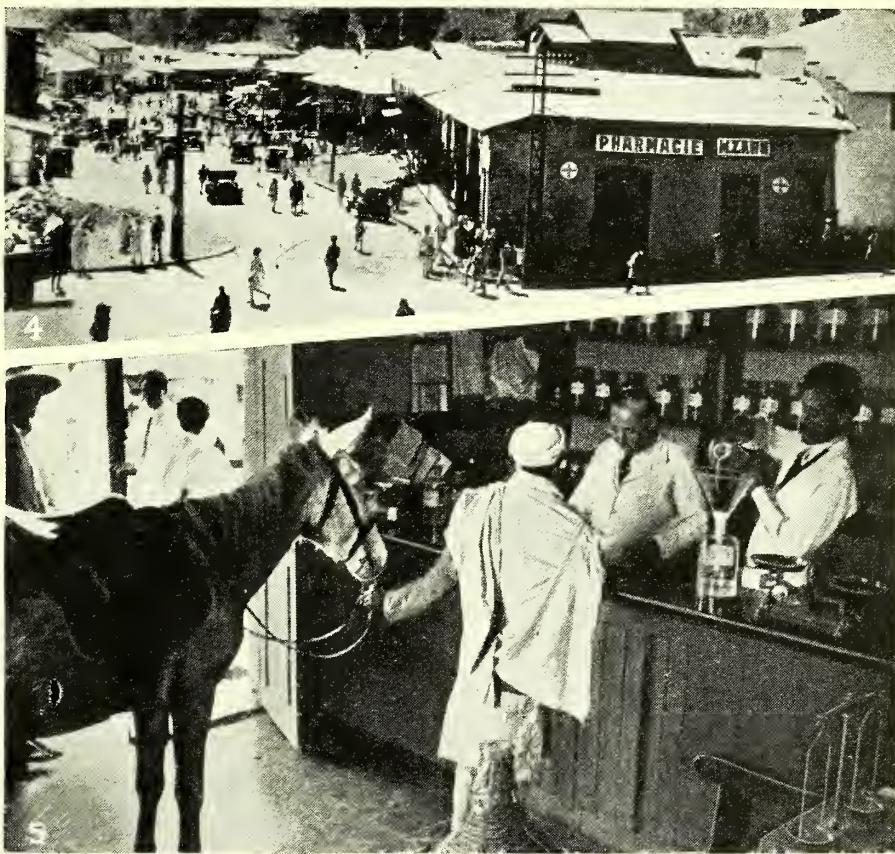
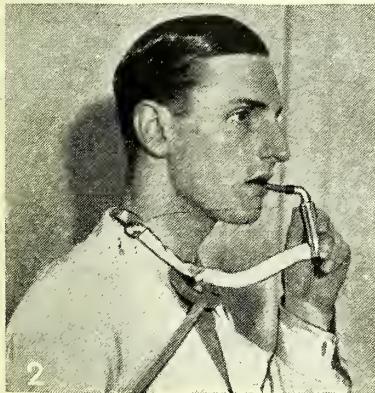
## Meeting in Edinburgh

A meeting of the Edinburgh and South-Eastern Scottish Branch of the Pharmaceutical Society was held in Edinburgh on April 15. Mr. John Gilmour (chairman of the Branch) presiding. The chairman offered congratulations to the secretary of the Branch, Mr. Arthur Cairns, who had been appointed as one of the Society's inspectors under the Pharmacy and Poisons Act, 1933, and welcomed Mr. E. Saville Peck, president of the Society.

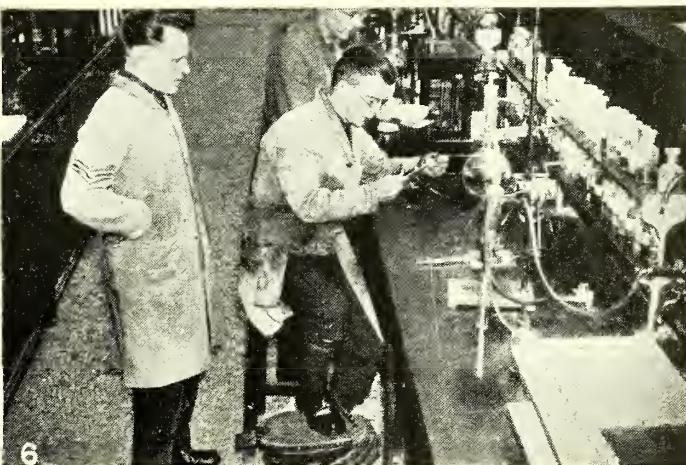
The president, in the course of his address, said that history was a record of great emergencies and grave crises. Pharmacy had its crises, too, and they had recently passed and were now passing through a crisis which was not at all comfortable to some of them. They did not get a great deal out of the Under-Secretary, but he thought they were able to put on record our point of view and show him that if there was any lack of safety for the public then he would be to blame; and he (the president) thought they took the wise course in that direction. He sometimes felt with these Regulations that so many of them will have to be cleared up in the course of time that they did not quite know where they were in some directions. They knew that they had got something out of it. Any preparation containing the minutest portion of poison in Part I was now reserved to the authorised seller, and that might very easily have been lost. Again, by Rule 29, the pharmaceutical preparations containing poisons must be manufactured by pharmacists or a limited number of other people. The new Act had brought them other things. He maintained it was a new platform of opportunities. Another thing they had got by the Act was the registration of premises where poisons are to be sold, and that was a definite step in the right direction. As to Conference meetings of representatives, they had instituted a new order of procedure. The present scheme of increase in the standard of examinations meant that after June 1 everyone entering pharmacy would have to have passed an examination equivalent to the entrance for a university course, and that would limit the number of apprentices. In 1933 there were 1,538 men registered as apprentices, in 1934 there were 1,213, and in 1935 1,032. It was suggested that the Society, now it has charge of the registration of premises for the sale of poisons, if it found that in a certain district there was a large number of pharmacies, should prevent the addition of more. He thought they would find it almost impossible to get a scheme like that carried through the present Parliament. On the question of territorial representation the Council was sending round a memorandum to all the branches with a statement of the case for discussion at the Conference at Bournemouth. The president briefly referred to the Medicines and Surgical Appliances (Advertisement) Bill and the Shops (Sunday Trading Restriction) Bill, and went on to speak about the various publications which the Society is conducting. In a contemporary to the Journal there had recently appeared a criticism of the amount the Society was spending on their publications. It quoted the fact that the Society was losing £12,000 a year on these publications. It did not point out, however, that the Journal was responsible for an excessive expenditure over income of £12,533. The Society was spending that amount on its Journal for the benefit of pharmacy as a whole, and very largely for the benefit of the proprietor pharmacist in business. The Quarterly Journal of Pharmacy had justified its existence and was held in great respect by scientific societies all over the world. The Society in many instances conducted a very interesting co-operation with the British Medical Association. There was a Committee sitting of the two bodies having for its object the preparation of a "White List" of substances which can be fully recommended for use by the medical man. Regarding the new headquarters, he thought this accommodation should not be extravagant but it must be adequate.

An interesting discussion followed, and many questions were answered. A cordial vote of thanks was accorded to the president.

## NEWS in PICTURES



1. IN THE SALE ROOMS.—The "Hope" Hygieia [by courtesy of Christie, Manson & Woods]. (See note on page 477.)
2. ARTIFICIAL LARYNX.—An apparatus patterned on the natural larynx and designed to restore speech to persons deprived of the use of their vocal cords.
3. BROADCASTING TESTS BY PHOTOGRAPHY.—Testing, at the Crystal Palace, London, S.E. (soon to become a broadcasting station), the range of ultra short-wave transmissions, which are said to correspond closely with infra-red radiations.
- 4 and 5. PHARMACY IN ADDIS ABABA.—Exterior and interior of a German-owned pharmacy in Abyssinia's capital. The mule is brought into the shop because of the owner's distrust of his neighbours.
6. ARMY ANALYSTS.—Students at work in the Royal Army Medical School research department, Millbank, London, S.W.1.



# Pharmaceutical Society of Ireland

## Council Meeting

THE April meeting of the Council was held on April 14 at 67 Lower Mount Street, Dublin, Mr. J. F. Costello (president) in the chair. Other members of the Council present were Messrs. J. A. O'Rourke, Dr. J. A. Mitchell, D. W. P. Boyd, M. J. Kieran, P. J. Fielding, T. J. Smith, P. Brooke Kelly, J. K. Whelehan, B. P. Hickey, J. T. Dwyer and P. C. Cahill. Apologies for inability to attend were received from Mr. F. J. Fitzpatrick and Miss F. M. Flood.

### CORRESPONDENCE

The following letter was received from the Secretary to the Ministry of Justice, with reference to the recent Regulations adopted in connexion with Licence examination and registration fees and Matriculation examination subjects: "With reference to your letter of the 13th inst. I am directed by the Minister for Justice to enclose herewith a copy of Regulations made by the Council on the 11th ult. with the Minister's approval endorsed thereon."

Mr. J. K. Whelehan, secretary of the Westmeath Federation of Pharmaceutical Chemists, wrote:—"Dear Sir,—I enclose a motion passed unanimously at our meeting on the 1st inst., and would ask you to bring same before the Council at their next meeting. Motion: 'That this Federation resents the remarks of counsel for defence in the recent prosecution of a firm of chemists in the South of Ireland regarding contraceptives, and they call on the Council of the Society to vindicate the good name of pharmacy by registering at their next meeting an emphatic protest, and by taking steps to ensure the non-repetition of such remarks in future.' " Letters on this subject were also received from Messrs. D. J. O'Hanlon, chairman of the Cork Chemists' Association, G. O'Neill, Blackrock, and E. MacMahon, Dublin.

On the motion of Mr. Hickey, seconded by Mr. Whelehan, the following resolution was unanimously adopted:—"That the Council of the Pharmaceutical Society of Ireland protests against the statement of Mr. Budd, counsel for the defence in the case of Messrs. Henry Bell, chemists, of Waterford, prosecuted for the attempted importation of contraceptives, and wishes to place on record an emphatic contradiction of the statement made in Court, and reported in the Press—namely, that the case was one of importance to pharmaceutical chemists."

### REGISTRATION ITEMS

Mr. James J. Fitzpatrick, who submitted a Matriculation certificate, was granted Preliminary registration.

The following, who submitted L.A.H. certificates, were granted registration as pharmaceutical chemists: Dr. W. J. O'Sullivan, Dr. M. A. Roddy and Dr. M. K. Cusack.

Mr. H. P. Heney and Dr. J. J. Mackey wrote requesting to be restored to the Register of Pharmaceutical Chemists. THE REGISTRAR (Mr. J. J. Kerr) stated that the applications were in order and the requisite fees paid. The applications were granted.

The following changes of address were notified:—

Miss C. M. MacFeely, M.P.S.I., from Ardara, co. Donegal, to The Prescription Pharmacy, Carndonagh, Donegal. Mr. P. C. Cahill, M.C.P.S.I., from The Whitehall Pharmacy, Upper Drumcondra, to 44 North Circular Road, Dublin. Mr. J. F. Addy, M.P.S.I., from Main Street Pharmacy to the Pharmacy, 33 Main Street, Bangor, co. Down. Mr. J. P. Bowden, M.P.S.I., from 114 Dublin Road to 30 Bradbury Place, Belfast. Mr. J. P. Ryan, M.P.S.I., from 22 Parliament Street, Kilkenny, to 40 Main Street, Arklow, co. Wicklow. Mr. F. T. Timoney, M.P.S.I., from 68 Russell Avenue, Drumcondra, to Timoney's Medical Hall, Capel Street, Dublin. Mr. T. L. Dolan, L.P.S.I., from Belgrave, Clontarf to 58 Bolton Street, Dublin. Mr. T. Farrar, L.P.S.I., from Bective, Navan, co. Meath, to c/o I.O.C.M., Ltd., Drogheda, co. Louth. Mr. P. S. Lalor, L.P.S.I., from Shanahoe, Kilmicken, Leix, to The Whitehall Pharmacy, 81 Upper Drumcondra Road, Dublin. Mr. R. G. U. McKinstry, L.P.S.I., from Thomastown, co. Kilkenny to The Bungalow, Boho, Eniskillen.

### REPORTS FROM COMMITTEES

The report of the Law Committee was submitted and approved. The House Committee's report was also adopted.

The Schools Committee's report, which contained a recommendation that the maximum number of students in the pharmacy class be thirty-two, was approved.

The Certificates and Declarations Committee's report, which was adopted, stated that twenty-six candidates presented themselves for the coming Licence examination, all of whose applications were accepted. For the Registered Druggist examination the applications of six candidates were accepted.

### EXAMINER RE-ELECTED

On the motion of Mr. Hickey, seconded by Mr. Smith, Mr. P. J. Killacky was re-elected examiner to the Assistants' examination for the year ending March 31, 1937.

### REGULATION AMENDED

The following notice of motion tabled in the name of Mr. Fitzpatrick was unanimously adopted:—"Amend Regulation 5, 'Members' (p. 94 of 1936 Calendar) by deleting the words '31st day' and inserting the word '1st.' This amended Regulation to come into force on December 1, 1936."

It was agreed that in future Calendars the exact number of members be given, as computed up to the end of the Society's financial year.

### SECTION 25 LETTERS

The registrar notified that letters under Section 25 had been sent out to the following, and no replies received:—Pharmaceutical Chemists: Miss K. M. Raverty, Messrs. A. R. G. Clark, W. Hanna, J. A. Hynes, P. J. Rice, J. R. Waddell, W. R. Wilson and G. A. P. Wright. Assistant: Mr. C. Hoban. Registered Druggist: Mr. N. M. McCausland.

### ELECTIONS AND NOMINATIONS

The following were elected members of the Society:—Dr. D. J. Broily, 1 Sandford Road, Ranelagh; Mr. N. A. P. McKane, O'Rahilly Street, Ballina, co. Mayo; and Dr. D. McLaughlin, 51 Lambeth Walk, Kennington, London, S.E.11.

Mr. F. T. Timoney, Capel Street, Dublin, was nominated for membership of the Society.

## Coming Events

This section is reserved for advanced notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

### Monday, April 27

Manchester Pharmaceutical Association Tennis Club, Houldsworth Hall, Deansgate, Manchester, at 8.30 p.m. Annual general meeting. Open to all interested.

### Tuesday, April 28

Institute of Export, 21 Tothill Street, Westminster, London, S.W.1, at 6 p.m. Major W. E. Simnett on "The British Colonial Market—Britain's Largest Export Market."

Liverpool Chemists' Association and Branch, Royal Institution, Colquitt Street, Liverpool, 1, at 8.15 p.m. Addresses by four candidates in the forthcoming Council election (Messrs. J. E. Crowe, Sheffield; G. R. Knox Mawer, Wrexham; J. F. McNeal, Harrow; and H. W. Wallis, Wirral).

### Wednesday, April 29

Guild of Public Pharmacists, Liverpool Branch, Royal Institution, Colquitt Street, Liverpool, 1, at 8 p.m. Annual general meeting.

### Thursday, April 30

Western (London) Pharmacists' Association and West London Branch of the Photographic Dealers' Association. Joint visit to works of Kodak, Ltd., Harrow. Train leaves Euston Station at 2.30 p.m.

National Association of Women Pharmacists, 17 Bloomsbury Square, London, W.C.1. At 7.30 p.m., social meeting. At 8.30 p.m., business meeting.

### Friday, May 1

South-West London Chemists' Association and Branch, Balham Club, Ltd., Ramsden Road, Balham, at 8.30 p.m. Professor J. H. Burn, M.A., M.D., on "The Value of Physiology to the Pharmacist."

# Pharmaceutical Society of Northern Ireland

## Council Meeting

THE monthly meeting of the Council was held on April 17 in the Society's offices, 73 University Street, Belfast, the president (Mr. W. S. Taylor) in the chair. There were also present Messrs. Samuel Gibson (vice-president), J. F. Grimes, R. I. Edwards, S. H. Forrest, W. C. Tate, J. T. Nicholl, J. W. Gray, James Glendinning, Charles Abernethy, James McDowell, William Martin, Professor James Small, Professor E. C. B. Mayrs, Dr. S. E. A. Acheson, with Mr. D. L. Kirkpatrick, secretary. Apologies for absence were received from Messrs. S. S. Badger, J. E. Connor and H. F. Moore.

### CORRESPONDENCE

Mrs. Mansfield, widow of the principal of the Enniskillen Technical School, wrote acknowledging the Council's letter of sympathy on the death of her husband.

The Ministry of Home Affairs wrote approving of the appointments of the examiners for 1936 made at the last meeting. The letter continued:—

"While the Minister desires it to be made perfectly clear that he has every confidence in the examiners appointed by the Council of the Pharmaceutical Society in the past, he thinks the Council should consider the advisability, when the time comes to make appointments for 1937, of following the procedure adopted by Universities and other educational bodies in the appointment of external examiners—namely, to limit the period for which persons can continue to be appointed examiners to a definite number of years."

PROFESSOR SMALL suggested that the matter raised in the letter would be referred to the Education Committee. A suggestion of that kind coming from the Ministry must be taken seriously, and the first thing to do was to have the Committee go into the matter and make rules. If the examiners were to be changed the question of qualifications would have to be gone into.

MR. EDWARDS seconded the motion, which was passed.

The Ministry of Home Affairs wrote returning the regulations made by the Council, with the approval of the Minister endorsed thereon. Copies of the regulations had been laid before Parliament, and the necessary notice had been given in the "Gazette." Arrangements had also been made for the publication of the regulations as a Statutory Rule and Order.

The Principal of the Belfast College of Technology wrote that the technical instruction subcommittee of the Belfast corporation had agreed to grant the accommodation asked for in connexion with the examinations of the Society during the week beginning June 15. "I have to point out to you," proceeded the letter, "that the Committee have decided to make a charge of 10s. for each day on which accommodation was provided for the use of outside authorities. This charge is to cover the expenses of heating, lighting, cleaning, etc., and is made at the request of the Local Government Board auditors."

### EDUCATION COMMITTEE

The report of the Education Committee on April 3 contained the following:—

It was resolved that the certificate of apprentice to a pharmaceutical chemist be granted to Cornelius Dennis Hughes, 3 Victoria Street, Armagh, who had submitted a matriculation certificate from the National University of Ireland.

The Committee considered the letter under date February 21, 1936, from the Home Office, referred from the Council, regarding allowing apprentices and assistants time for study, owing to the strain imposed upon them by having to serve long hours for their employers. It was resolved that as the apprentices are not indentured, the Committee have no control over the hours arranged by the employers, and suggest that the question of shorter hours might be arranged by the trade association.

MR. GIBSON moved, and MR. GRAY seconded, the adoption of the report.

MR. ABERNETHY asked if anything had been done about the hours question.

THE SECRETARY said he had discussed it with the president of the Ulster Chemists' Association, but it was impossible to do anything. The matter was really one for the Corporation.

MR. ABERNETHY: Can the Government not do anything? They have asked for more time for apprentices and assistants.

THE PRESIDENT said the hours were perfectly scandalous.

MR. EDWARDS said Belfast Corporation had an 8 p.m. closing order.

PROFESSOR SMALL. No Government working N.H.I. would ever say they should close at 8 p.m. for medicines and appliances.

MR. ABERNETHY said that in England it was laid down what closing really meant.

DR. ACHESON said he would like to know what a closed shop was. They would never get a law to close chemists from 8 p.m. till 9 a.m. The people must be able to get medicines.

MR. EDWARDS said that when "curfew" was on in Belfast they had to close from 6 o'clock.

MR. ABERNETHY moved that the Government be approached on the subject of a Closing Order with a view to one being drawn up.

THE PRESIDENT: That will start it, anyway. The motion was adopted.

### EXAMINATION EQUIPMENT

PROFESSOR SMALL had the following notice of motion on the agenda: "That the Society proceed as soon as possible to furnish and equip one of the top floor rooms as an examiners' preparation room."

THE PRESIDENT said he would allow the matter to be ventilated by discussion that day.

PROFESSOR SMALL said that the Society had been an examining body for over ten years and had no equipment for examinations. At present material had to be prepared at the Technical College or Queen's University. It was obvious from the Ministry's letter there would be a change regarding examiners, and the Society would have to provide equipment for the examinations. The Society would have to have a full range of chemicals upstairs. As far as pharmacognosy was concerned, the materials were stored for ten years in his department, and the Society should have a place to hold 500 boxes. He had been at this ever since they got the new premises, but it was now more necessary than ever owing to the letter from the Ministry of Education at the last meeting and the move to change the examiners.

THE PRESIDENT said they had the room in those premises. It was necessary for the status of the Society that what was proposed should be done.

MR. EDWARDS said they had also the funds.

MR. GIBSON said he understood the cost would be about £200.

THE PRESIDENT suggested getting definite information as to the approximate cost. They were all agreed as to the necessity for what was proposed. The matter was accordingly referred to the House Committee.

### MEMBERS ELECTED

The following nominated candidates were elected members of the Society:—Messrs. James Trimble Hunt, Glengarriff, Lisburn Road, Balmoral, Belfast; Matthew George Haye Orr, 381 Beersbridge Road, Belfast; Martin McCoubrey, 100 Dunraven Avenue, Belfast; William Edward Webb, c/o Henning's Medical Hall, Main Street, Larne.

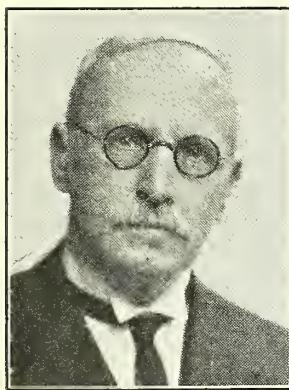
"MEDICAL PRODUCTS OF PRECISION."—Evans Sons Lescher & Webb, Ltd., Liverpool, have recently published a reference book with therapeutic index describing Evans' medical products. The book is bound in stiff covers and consists of 104 pages in which details are given of the medical products manufactured at Evans' pharmaceutical laboratories and the biological products manufactured at the Biological Institute of the company at Runcorn, Cheshire. A price list is also included. Illustrations of products and also of the laboratory and works are included. This book gives an excellent indication of the growth of the Biological Institute, an early notice of which appeared in the *C. & D.*, 1922, I, 189.

# Council Candidates

THE number of candidates nominated for the seven seats falling vacant on the Council of the Pharmaceutical Society next month is twenty-two, and the number accepting nomination seventeen. This number includes the seven retiring councillors. Last year twelve candidates stood, and in 1934 there were fourteen. We have written to each of this year's candidates asking for a statement of policy, and are giving on this page a first instalment of the replies received. The poll closes on May 20.

### Mr. Thomas Guthrie

qualified in 1886, and for many years carried on business in Clydebank, Glasgow. Mr. Guthrie's experience in the affairs of pharmacy is lengthy and varied. He has held office in the Glasgow and West of Scotland Chemists' Association, the Pharmaceutical Standing Committee (Scotland), the General Council of Panel Chemists, and the Clydebank Pharmaceutical Committee. He was also a founder and the first president of the Chemists' Friendly Society, and has been a member of the Executive of the Pharmaceutical Society's North British Branch for a long period. Mr. Guthrie was co-opted to the Society's Council in 1916 on the resignation of Mr. J. P. Gilmour, and has been returned at each of the subsequent elections. From 1925 to 1930 he was treasurer of the Society. Mr.



MR. T. GUTHRIE

Guthrie's comment on the present situation is:—

In pharmaceutical affairs, 1936 marks the end of one epoch and the opening of another. During the time (a decade almost) since the Departmental Committee took on the labours which resulted in a certain report and Bill, a good deal of the energies of members of Council and members of the Society has necessarily been occupied with efforts to extract the utmost possible for pharmacy from a situation not of its creating. That period is over. With the coming into being this year of the Pharmacy and Poisons Act, construction ends, and what remains is so much of administration as falls to the share of the Pharmaceutical Society.

To the recognition accorded by the 1933 Act to the status of the pharmacist in certain of his aspects must be added recognition all round. We are still some way from the reservation to the pharmacist of the right of handling, as retailer, of the medicinal substances prescribed for, and required by, the citizen, but that goal has been brought nearer by recent happenings. In the matter of dispensing the position is steadily improving. More enlightened medical and lay opinion, National Health Insurance and the action of public authorities are all helping to a change over from the old to the newer and better practice. To pharmacists whose lines have been cast in "lagging" areas this improvement may not have been apparent; but I believe it to be the fact that, taken as a whole, something like three-fifths of the population of this country are now in the enjoyment of the privilege and safeguard of dispensing by the pharmacist.

Although my own life's work has been retail pharmacy and now by law every proprietor pharmacist is a member of the Pharmaceutical Society, I recognise that in our membership there are many interests. I can truthfully say that during all the time I have been privileged to occupy a seat at the Council table I have striven to remember this fact and to act justly as between the various classes.

The question of new headquarters will naturally be in the minds of electors on this occasion. The need for these is most urgent, but that it would be so at this period was foreseen over a dozen years ago when the initial steps were taken

towards their provision and when funds began to be set aside expressly for their financing. I am in full agreement with all that has been done by the Council in this connexion, and I anticipate that in the near future the Society will be in possession of technical, educational and administrative premises in keeping with its needs, erected and equipped without any special strain on the resources of its members.

On the subject of "change in the manner of election to Council" I have an open mind. A change, if it be to come and if it is to be substantial, means modification of the Charter, and since that implies changes of even greater significance time must be taken for full investigation. For these reasons I welcome the promise of a beginning to those inquiries to be made at the Representatives' Conference this summer. I shall watch developments with keen interest, feeling sure that the desire of our members for their Council is that the conditions governing its election should encourage the offering of service by the men and woman most likely to enhance its usefulness.

### Mr. G. R. Knox Mawer

was born in Boston in 1889. He served a four-years' apprenticeship to his uncle, Mr. W. F. Mawer, Ph.C., Kennington Road, London, S.E., who was at that time a demonstrator at Muter's College of Pharmacy; after studying at the Manchester College of Pharmacy he qualified in 1910. Situations in Manchester, Stockport and Llandudno afforded distinct types of experience, whilst since 1914 he has been associated with his present firm, L. Rowland & Co., Wrexham. He may therefore claim an intimate practical knowledge of the four main types of pharmacy—London, seaside, industrial and country practices. He has always been keenly interested in the welfare of pharmacists as a body, having been a member of the Denbighshire Pharmaceutical Committee since 1921, secretary since 1930, secretary of the local branch of the Pharmaceutical Society, and member for the Western division of the National Pharmaceutical Union. He is, in addition, a founder member of the Wynnstai and Bromfield Lodges, a Provincial Officer of North Wales, a Past Master of five Masonic lodges, and a member of the Wrexham Rotary Club. Keenly interested in educational matters, he is a governor of the Wrexham County School for Boys and Girls, chairman of the Wrexham branch of the Y.M.C.A., and the immediate past-president of the Welsh and North Wales Hockey Association. Mr. Mawer writes:—

I have accepted nomination because I consider the efficient representation of any considerable body of men and women should be embodied in an individual who can claim to have a thorough and practical knowledge of the needs and difficulties of every member whom he has the privilege of representing. To possess this knowledge, not only is it necessary that he should have had a varied experience, but, in pharmacy, he should have had it especially during the last few years, when fresh situations and irritating difficulties have arisen which make it imperative to take some action. The whole of my thirty years of pharmaceutical life has been spent in retail pharmacy—behind the counter—and I am therefore well acquainted with the daily difficulties of retail pharmacy.

The anomalies of the new poison laws plainly exemplify the need of a greater quota of practising pharmacists in the Council than at present exists. The sale of substances in the First Schedule for the treatment of animals, without even becoming either an authorised or a listed seller of poisons, is simply appalling, and is viewed with grave misgivings by all, especially the country pharmacists.



MR. G. R. KNOX MAWER

I am strongly in favour of a high standard for new entrants. The Society's policy must continue to advance with the progress of our times, and every effort must be made to have biology taught in all our secondary schools. I consider the Society should have headquarters adequate and worthy of the profession, and I warmly support territorial representation.

The Chemists' Friends scheme has my whole-hearted support, since if maintained it will undoubtedly put a stop to the increasing encroachment upon our profession.

### Mrs. Freke

was co-opted to the Council in 1926 to fill the vacancy caused by the resignation of Miss Buchanan, and has been returned at subsequent elections. She took an active part in launching the National Association of Women Pharmacists in 1905; in 1923 she held office as president of the Association. Mrs. Freke has had considerable educational experience in connexion with the London County Council, and is a member of the advisory committee of the Ministry of Labour on juvenile employment. Motoring and languages are among her other accomplishments. She has been a proprietor of a retail business for several years, and has lately retired. In reply to our request for a concise statement of policy Mrs. Freke writes:—

The policy of the Council is and has been always for general progress and for the improvement of the status and condition of the individual pharmacist, whatever section may be represented. The possible introduction of a Pharmacy Bill—which has been vaguely mentioned in Parliament—in which the question of dispensing will be made quite definite and, it is hoped, may lead to a reasonable understanding among those working for the health of the nation, seems a step nearer. It is futile to imagine that radical changes can be brought about without hard spadework and gradual building up from small beginnings—with decided unity of purpose. The present Council is drawn from all parts of the country and represents all sections of pharmacy. There does not seem any reason for change of method of election at the moment.

### Mr. Walter Deacon

is essentially a retailer, having pharmacies at Bridgwater, Burnham and elsewhere. He is interested in the commercial and scientific sides of pharmacy. Mr. Deacon is a valued speaker and lecturer of the Pharmaceutical Society, and has given freely of his time to members throughout the country. His keenness is shown by the fact that he is chairman of the Somerset Branch of the Society, chairman of the Pharmaceutical Service Subcommittee and a representative of the County Council on the Somerset Insurance Committee. His experience in public life is shown by the fact that he is an alderman and magistrate for the borough in addition to being a J.P. for the county, and has thrice been Mayor of Bridgwater. He is chairman of several local committees of the Town Council, governor of two secondary schools and an administrative governor of Queen's College, Taunton. Mr. Deacon was secretary of the local traders' association for fifteen years and afterwards its president. He



MR. W. DEACON

The Council cannot take action in trade matters; and whilst realising this, I feel justified in mentioning that I am a strong supporter of the Chemists' Friends scheme, and believe that this provides the finest opportunity chemists have ever had to restrict the sale of medicinal and surgical products to the rightful channel of distribution.

is an experienced public speaker. Mr. Deacon writes that his reasons for seeking election are in substance as follows:—

(1) He is actually engaged in retail pharmacy and in daily contact with its problems.

(2) He is keenly interested in the future of pharmacy, and will strongly support any scheme for making the position of the pharmacist more secure and remunerative.

Mr. Deacon stands for:—

(1) Adequate recognition of the status of the pharmacist by the general public.

(2) The best interests of the retailer.

(3) Review of present Council representation.

(4) Hospital dispensing being in charge of pharmacists.

(5) Keen oversight of the finances of the Society.

(6) Further development of the Society's powers, especially in the direction of protecting the chemist in business and ultimately reserving for him all dispensing.

(7) Highest recognition and best terms for National Health Insurance dispensing.

### Mr. William Spencer Howells,

a native of Carmarthenshire, served his apprenticeship in his county town, and gained experience in the West End and suburbs of London before settling down in business in Richmond, Surrey, where he has been for over twenty years. He has been a member of the retail section of the Council of the Proprietary Articles Trade Association for three years, and is a member of the Pharmaceutical Committee for the County of Surrey. On three occasions he has been elected to the chair of the Thames Valley Branch of the Pharmaceutical Society. The following passages are taken from a copy of Mr. Howells's election address:—

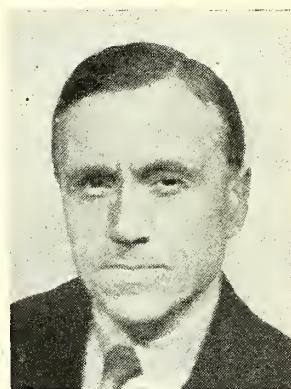
It is essential that pharmacy should keep in step with allied professions, and I advocate a correspondingly high standard of entrance examination and that subsequent training should be fully adequate, so that none may dispute our claim to the whole of the work which should come within our province.

Direct representation on the Council for qualified managers and assistants is a difficulty I fully appreciate, and having had considerable experience in both capacities, I am in full sympathy with their outlook and would do all in my power to conserve their interests. The well-being of both qualified employers and employees is so mutual that I deprecate any attempt to divide their activities and thus impair the effectiveness of both.

Recent history illustrates how unexpectedly legislation may be altered to the detriment of pharmacy, and I consider that those who represent you should exercise unceasing vigilance on your behalf. Present inadequate representation in Parliament must be a matter of regret to all pharmacists. I would recommend that until this is remedied the Council should keep in intimate touch with members of all political parties and so keep a close watch on legislation affecting the profession. In view of the high standard of our curriculum and the great responsibilities entailed, it is but just that all pharmacists entering His Majesty's Forces in a professional capacity should have commissioned rank, and this reform would have my continual advocacy.

New headquarters will be necessary in the near future, and though I feel it necessary that a close scrutiny should be kept on the expenses connected therewith, economy must not be allowed to deteriorate into parsimony.

The Council cannot take action in trade matters; and whilst realising this, I feel justified in mentioning that I am a strong supporter of the Chemists' Friends scheme, and believe that this provides the finest opportunity chemists have ever had to restrict the sale of medicinal and surgical products to the rightful channel of distribution.



MR. W. S. HOWELLS

## Trade Notes

**EX-LAX.**—Particulars of a double bonus offer on Ex-lax is given elsewhere in this issue.

**ODO-RO-NO.**—With reference to the note on Odo-ro-no in last week's issue of the *C. & D.*, p. 456, the distributors are J. C. Gambles & Co., Ltd., 211-215 Blackfriars Road, London, S.E.1.

**SELO CINE FILM.**—Ilford, Ltd., have issued an eight-page publication on Selo 16 m.m. panchromatic reversal safety cine film. Supplies for counter distribution are available on request.

**HANDKERCHIEF PUFFS.**—I.V.A. Fur Puffs, Ltd., Iva House, Golden Lane, London, E.C.1, have announced that the retail price of the Iva special handkerchief has been advanced owing to the increase in the price of raw materials.

**EUCRYL DENTIFRICES.**—Attention has recently been directed to the satisfactory rate of profit obtainable on display terms, of Eucryl, which is nationally advertised all the year round, and is made by Eucryl, Ltd., manufacturing chemists, Southampton.

**COSMETICS OF "THE STARS."**—Max Factor, Hollywood & London (Sales), Ltd., 49 Old Bond Street, London, W.1, offer the services of their organisation to promote sales of cosmetics. Max Factor is stated to be personally responsible for the make-up of film stars.

**NEW NERVE SPECIFIC.**—Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool, have introduced a Nerve Pain Specific which is described as N.P.S., for use as an analgesic and antipyretic. It contains phenacetin, caffeine, quinine, sodium salicylate and salicylic acid, and is issued in tubes of twelve and bottles of twenty-two. Useful sales-aid material is available on application.



*C. & D.* to their new folder, which portrays new ideas for modern packings. We have dealt very exhaustively with the methods of packing adopted by famous houses, and those interested should write for a copy of the folder, which will be sent on application.

**FILM MACHINES.**—Avery Automatics, Mitcham, have introduced a new design in film machines to sell fifteen films each of three different makes from a single machine. Full details were given in the advertisement pages of last week's issue of *THE CHEMIST AND DRUGGIST*.

**DISMENOL TABLETS.**—Roberts & Co., 76 New Bond Street, London, W.1, inform us that Dismenol Brand Tablets now contain antipyrin in place of amidopyrine in order to conform with the requirements of the Poisons Rules issued under the Pharmacy and Poisons Act, 1933.

**STAR BRUSHES.**—The Star Brush Co., Ltd., Eden Grove, Holloway, London, N.7, state that 50 per cent. of the household brushes sold in this country bear the Star trade mark. It is also stated that every Star brush is made of the best materials and has been tested, carrying with it a full guarantee.

**HISTIDINE TREATMENT OF PEPTIC ULCER.**—Hoffmann-La Roche, Chemical Works, Ltd., 51 Bowes Road, London, N.13, direct attention to Histidine treatment of peptic ulcer. It is stated that over 110 reports published to date are based on the use of Larostidin Brand Histidine, which is made by Messrs. Hoffmann-La Roche.

**ROMOS.**—M.R. Chemical Products, Ltd., 22 Basinghall Street, London, E.C.2, inform us that Romos Preservative is now manufactured exclusively in England. It is based on the methyl ester of parahydroxybenzoic acid and is used in the manufacture of many types of preparations. Further details may be had on application.

**FREE GIFT OFFER.**—Burge, Warren & Ridgley, Ltd., 91 and 92 Great Saffron Hill, London, E.C.1, announce that their new catalogue of druggists' sundries and toilet articles will be distributed shortly to over 7,000 chemists. Those who do not receive a copy should make application. Details of a free gift offer are sent with each copy of the catalogue.

**BISMA-REX.**—The United Drug Co., Ltd., Nottingham, recently announced the introduction of a new product which is described as Bisma-Rex which they sell through Rexall chemists. Sole agencies for this new stomach powder, together with samples and display material, are offered to chemists in districts where there is not a Rexall agency.

**CHEMISTS' FRIENDS SCHEME.**—Arthur H. Cox & Co., Ltd., manufacturing chemists, Brighton, announce that their popular specialities are now included in the Chemists' Friends scheme. A full list is obtainable on application.—Mr. J. W. Simpson, M.P.S., announces that he is accepted as a member of the Chemists' Friends scheme.

**NEM. CON. GERMICIDE.**—J. M. Smith & Co. (London), Ltd., Hampton Laboratories, S.E.15, have recently issued a non-poisonous, non-corrosive surgical germicide which has guaranteed Rideal Walker co-efficient 5. This germicide is suggested as suitable for personal hygiene. It is issued in bottles of seven sizes. Further particulars may be obtained on application.

**BAYER'S SYNTHETIC WAXES.**—Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2, have issued two brochures giving full particulars of synthetic waxes which are used in the manufacture of modern toilet and specialised pharmaceutical preparations. While some of the waxes correspond to their natural equivalents, others possess novel properties. Copies of the brochures and full details are obtainable on application.

**PRIZE-WINNING WINDOWS.**—The following are the prize-winners in the national window display competition organised by Bob Martin, Ltd., Southport: 1st prize (£100), Mr. C. Vernon Thompson, 156 Stratford Road, Sparkbrook, Birmingham; 2nd prize (£50), Mr. A. Morgan, Market Street, Chorley, Lancs; 3rd prize (£25), Mr. A. L. Drake, 169 East Bank Street, Southport. Consolation prizes of one guinea each were awarded to fifty other entries. We are informed that over 5,200 entries were received.

**A DEVELOPING METER.**—Reference was made in the *C. & D.*, March 28, p. 372, to the new Constant Endura photographic developer of Johnson & Sons, Manufacturing Chemists, Ltd., Hendon, London, N.W.4. To users of this developer the company is now supplying a developing meter, in the form of a slide rule, which shows the correct time for developing any make of film—Messrs. Johnson are again conducting a holiday photographic competition, including cash prizes for dealers who supply chemicals for the first ten prize-winning prints. Leaflets giving details of the competition will be sent on request.

**ANAHAEWIN B.D.H.**—The British Drug Houses, Ltd., Graham Street, City Road, London, N.1, have recently issued a booklet in reference to Anahaemin B.D.H., the active haemopoietic principle of liver. The booklet contains a short history of liver therapy from its inception until the present epoch-making discovery of the active principle—anahaemin. The advantage of Anahaemin B.D.H. over extracts of liver lies in the fact that the injection of small doses (200 mgm. in 2 c.c.) at monthly intervals constitutes effective treatment in the majority of cases of pernicious anaemia. The booklet is available to chemists on application.

## Births

Notices for insertion in this column must be properly authenticated

MACKENZIE.—At the Rubislaw Nursing Home, Aberdeen, on March 28, the wife of Ian M. Mackenzie, chemist and druggist, Holburn Street, of a daughter.

PAGE.—At Lorelei Nursing Home, Bangor, co. Down, on April 9, Ethel, the wife of H. T. Page, M.P.S.N.I., Queen's Parade, of a daughter.

WOOD.—At St. Elizabeth's Nursing Home, Bombay, India, on March 27, the wife of Edward Wood, M.P.S., of a son.

## Marriages

CADE—COATEN.—At St. Owen's Street Methodist Church, Hereford, on March 26, Gilbert Cade, chemist and druggist, to Doreen Annie Coaten.

JAMES—ADAMS.—At St. Mary's Church, Tyndalls Park, Bristol, on April 11, William Richard James, M.P.S., F.S.M.C., son of Mr. Clarence James, M.P.S., 29 Promenade, Cheltenham, to Joyce Catherine Adams, formerly of Boots, Ltd., Bristol.

MATTHEWS—COPPING.—At St. Margaret's Church, Ipswich, on April 4, by the Rev. Hubert Matthews (brother of the bridegroom), Eric Beaumont Matthews, chemist and druggist, to Marjorie Florence Copping.

STEEL—PHILPOT.—At Holy Trinity Church, Wareside, Herts, on April 19, Donald J. Steel, B.Pharm., Ph.C. (Hall & King, chemists, West Cliff Pharmacy, Folkestone), to Joyce, younger daughter of Mr. and Mrs. Philpot, Wareside.

## Deaths

ASHTON.—On March 21, Mr. Isaac Ashton, Ph.C., West Croydon, aged forty-seven.

CLAUSE.—At Wiesbaden, on April 17, Mr. William Henry Clause, chemical manufacturer, Clayton, Manchester, aged seventy-six.

DICKSON.—At Uphall, West Lothian, on April 16, Mr. James John Dickson, chemist and druggist. Mr. Dickson qualified in 1902.

GIBSON.—At his residence, Hallgarth House, Hexham, Northumberland, on April 21, Mr. John Gibson, F.S.A., F.C.S., F.I.O., F.S.M.C., F.B.O.A., M.P.S., aged sixty-four. Mr. Gibson's pharmacy (Gibson & Son), of which he was the sole proprietor, was established in the reign of King William IV by his grandfather. He was the author of several guidebooks and of articles on Hexham Abbey. Mr. Gibson is survived by a widow, two sons and a daughter. He is succeeded in business by his eldest son, Mr. John Philip Gibson, M.P.S.

PHILLIPS.—On March 31, Mrs. Jane Phillips, retired chemist and druggist, Boughton Blean, Faversham, aged seventy-eight.

SCOTT.—At Glasgow, on April 15, Mr. Thomas Scott, chemist and druggist, late of Partick. Mr. Scott qualified in 1900.

SIDDALL.—On April 18, Mr. Horace Siddall, M.P.S., 119 King Street, Egremont, Wallasey. Mr. Siddall qualified in 1915.

TURNER.—At Glensorrel, Maxwelltown, on April 19, Mr. Alexander Turner, Ph.C., 50 Buccleuch Street, Dumfries, aged seventy-four. Mr. Turner lived in Maxwelltown, where he became a member of the Town Council in 1903, was a Bailie for several years, and was appointed Provost in 1913, holding that office until 1915. He is survived by four daughters.

WHITEHOUSE.—At West Bromwich, on April 15, Mr. Philip L. Whitehouse (Lewingtons, Ltd., manufacturing chemists, Bromford Lane), aged sixty-two.

## Personalities

MR. H. ROBINS, M.P.S., Wantage, Berks, has been elected people's warden at the parish church.

MR. J. SMITH (Davy's Drug Stores (Penge), Ltd., chemists, London, S.E.) gave an address on "Poisons" before the Penge Rotary Club recently.

MR. JAMES GREGORY, chemist and druggist, has been elected for the St. Michael's ward of the Huyton-with-Roby, Lancs, Urban District Council.

MR. E. R. VAUGHAN (Vaughan & Jones, Ltd., chemists, Bangor) has been appointed chairman of the newly formed local chamber of commerce.

At a meeting of Penrith Urban Council, Mr. B. Swinburn, chemist and druggist, was elected chairman and Mr. C. J. Dixon, Ph.C., was elected vice-chairman.

MR. ERNEST H. TAYLOR, managing director of J. Lingford & Son, Ltd., Bishop Auckland, recently gave an address before the Bristol Rotary Club on "The Five-day Week."

MR. P. J. ASHFIELD, chemist and druggist, Rhyl, presented at Rhyl Municipal Pavilion his one hundred and second venture in amateur drama when the Rhyl Church Amateur Dramatic Society recently performed three one-act plays.

MR. E. TITTERINGTON, M.P.S., private chemist to H.M. the King of Egypt, has received from his Majesty the insignia of Commander of the Order of the Nile. This decoration was conferred on the occasion of King Fouad's recent birthday.

DR. C. H. HAMPSHIRE, B.Sc., F.I.C., Ph.C., secretary to the Pharmacopœia Commission and a past-chairman of the British Pharmaceutical Conference, has been appointed examiner for Branch E of the examination for the fellowship of the Institute of Chemistry.

MR. T. W. ATTENBOROUGH, Ph.C., St. Helier, in an address to local farmers, recently, explained the poisonous qualities of lead arsenate, the medium which has been officially adopted by the States of Jersey to combat the possible attack of the Colorado beetle on the potato and tomato crops. It was decided to petition against compulsory spraying.

MR. JOHN DURNFORD, retired chemist and druggist, and MRS. DURNFORD, Ashford, Kent, received a telegram of congratulation from His Majesty the King when they celebrated their diamond wedding on April 13. They were married at Holy Trinity Church, Maidstone, in 1876, and settled in Ashford, where Mr. Durnford was employed as a dispenser by Dr. Wilks, and later by Dr. Colville, a position he held for over forty years. Mr. Durnford lost his sight about three years ago.

## Business Changes

GEORGE OWEN, LTD., are opening a new business at 4A Nodder Road, Sheffield, 2.

TELEPHONE number of Standard Synthetics, Ltd., 76 Glentham Road, Barnes, London, S.W.13, has been changed to Riverside 3183.

T. & J. ROBERTS, LTD., drapers, Moorhead, Sheffield, have opened a pharmacy department in which insurance dispensing will be undertaken.

MR. H. O. WADE, chemist and druggist, has taken over the business at 6 Mulberry Place, Leith, of Mr. D. H. McCrane, chemist and druggist.

WE are informed that Herbert Fromm is moving to new offices at 29-31 Oxford Street, London, W.1, on May 9, the telephone number being Gerrard 6258-9.

JENNERS (CHEMISTS), LTD. (managing director, Mr. J. E. Crowe), have purchased the business of Staniforth Pharmacy, Ltd., 407 Grimesthorpe Road, Sheffield.

MR. ARCH. H. FLEMING, chemist and druggist, 323 Paisley Road West, Glasgow, is taking over the business of Mr. James Shields, The Cross, Renfrew, upon latter's appointment as one of the Pharmaceutical Society's inspectors for Scotland.

Telegrams: "Atolene Sedist, London."

Telephone: Bermondsey 1141

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Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

E/22. Coach brand sugar of milk	8/14. Manganese and calcium proteinate
S/22. Cullisan eye drops	E/21. Sasserno (not Sasso) olive oil
W/84. Gold Medal tooth picks	L/21. Tetrakarnit (for purifying furs and feathers)
B/21. Intestone (for indigestion)	T/21. Viromone (testicular hormone)
E/22. Jackson's drawing oint- ment	
B/21. Lander's olive oil cream	

THE  
**CHEMIST AND DRUGGIST**

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NO. 2933

**The Budget**

It is difficult to become enthusiastic about the Budget introduced by the Chancellor of the Exchequer in the House of Commons on April 21. The proposals may fairly be summed up as sound, having regard to prevailing conditions, but disappointing to the taxpayer. As in former years, the Chancellor has decided not to embark upon any scheme that would involve even an outside risk of a small deficit at the end of the financial year. There are no startling innovations by way of tapping new sources of taxation. Some slight relief for the family man is proposed, but in many instances the benefit of the increased allowances will be more or less balanced by an additional threepence on income tax and twopence on tea. The industrial world is left to carry its former burdens with slight additions. In other respects, the Budget is almost featureless, with all the major forms of taxation continuing unchanged. Yet this very steadiness is, in itself, remarkable, and no small tribute to the stability, financially and commercially, of the country, following as it does a year of continual world change and upheaval. With no General Election in prospect, there has been no attempt to "dress the window"; the present unhappy conditions have been faced, and the increased expenditure, needed entirely for defence purposes, is to be met, proportionately, out of the coming year's income.

Fortunately, 1935-1936 was a good revenue year, with a gross credit balance over estimated income of £17,000,000, but about £14,000,000 of this was spent in the upkeep of the Forces in the Mediterranean, which was not budgeted for, leaving a net balance in hand of some £3,000,000. The total amount of estimated expenditure for the coming twelve months is no less than £798,000,000, an increase of about £48,000,000. On the present basis of taxation, it is estimated that the revenue would be £776,600,000, leaving a deficit of about £21,000,000. It is proposed to raise this amount by a further raid on the Road Fund to the extent of £5,250,000; by an additional threepence on the income tax, which should realise £12,000,000, and the remaining £3,000,000 is to be obtained by an additional tax of twopence per pound on tea. The increases in the allowances for married men from £170 to £180, and from £50 to £60 for children, which, it is estimated, will cost the revenue £3,000,000 for the half and £6,000,000 for the full year, is to be balanced by tightening up the law in respect of certain ingenious legal methods of evasion of payment of income tax and sur-tax. Except for a proposal to establish a £1,000,000 financial corporation with the object of financing small businesses in the distressed areas, there is nothing of importance in the way of change or relief for the commercial and industrial world in general or the chemical industry in particular.

The increase in income-tax poundage is an unpleasant surprise; it could have been avoided by a comparatively small reduction in the amount set aside for the National

Debt. No one can question the restrictive effect of the present rate of four shillings and sixpence on industry and employment, and, consequently, on the spending power of the public. This further drain of £12,000,000 may indeed check the recent gradual improvement in trade. The other outstanding feature of this Budget is the enormous expenditure on defence. In 1935-36 the amount was £124,000,000; this coming year it will be £178,000,000 (about £4 per head of the population of the country), with every probability of supplementary estimates, and we are warned that it may be necessary to make still heavier calls for the purpose of national defence in the two following years, the necessity for which will largely depend upon events and decisions taken elsewhere than in this country. Such colossal expenditure on arms should warrant this Budget going down in history as the "Defence Budget."

**Key Industries Report**

THERE was not much doubt that the Committee set up by the Board of Trade to report on the future of the key industry duties would recommend their continuance in one form or another. The Committee's review of the operation of the duties during the past fifteen years, together with their recommendations, published this week, a summary of which is given on p. 496 of this issue, contains little that was not generally anticipated. It is evident a thorough investigation of the operation of the duties since 1921 has been carried out, both as to their effect on the protected and on the consuming industries. The report indicates general satisfaction with the efforts made by the manufacturers of fine chemicals as regards development of output, quality and increased range of products, trend of prices and research, ". . . being definitely of opinion that the protection afforded them (the manufacturers) has encouraged research and fostered development to an extent that would not otherwise have been possible." On the question of trend of prices, the Committee find ". . . there have been in many cases large price reductions which have undoubtedly led to increased consumption." In some minor aspects the report on the effect of the duties is critical, but, in the main, it confirms the attainment of the main object: that of the establishment of "key" industries in this country on a sound and broad basis, sufficient to meet the needs of the nation in time of stress. Throughout the Report there is evidence that the views and opinions expressed by the Services was considered of first importance.

The Committee recommend the retention of the separate identity of the "key" duties; no doubt Customs, in order to simplify their administrative duties, would have preferred their transference to the Import Duties Act, 1932. The period of extension proposed is for another ten years with the rate of duty unchanged at 33½ per cent. *ad valorem*, but with a provision for an increase of duty on any particular products, such increases to be made on economic grounds. In future, a manufacturer who considers the present rate of duty inadequate, having regard to competition and economic circumstances, will be able to apply to the Import Duties Advisory Committee for an increase or adjustment of the duty on imports of the product in question; the new rate of duty may be *ad valorem* or specific. This is the most important new feature in the recommendations; the makers will, no doubt, give it serious consideration. There is no provision recommended for reductions in the rate of

duty on specified articles. Other points in the Report refer to the temporary exemption from duty of key industry articles at present not produced here and for payment of " drawback " on re-exports, both of which, it is recommended, should be continued. Activated carbon of non-animal origin, carbon-free ferro-titanium and manganese metal, and chromium metal should, it is proposed, be considered " key " products and added to the list of dutiable articles. Provision for the adoption of these recommendations is made in the Budget.

The manufacturers of fine chemicals are to be congratulated on their achievements of the past fifteen years; they have justified the assistance afforded them during that time by building up on sound and progressive lines an industry that, in the course of the next ten years, should be substantially sufficient to meet national needs in times of peace as well as of peril.

### B.M.A. Physical Education Report

A REPORT on physical education has been issued in pamphlet form (price 6d.) by a committee of the British Medical Association appointed last year to investigate the subject. The committee was a large and representative one, comprising not only medical men of the standing of Dr. E. Kaye Le Fleming (chairman), Sir Henry Brackenbury and Mr. N. Bishop Harman but also well-known educationists and experts on physical culture. The sixty-five recommendations of the committee will, on the whole, receive general approval, although it is regrettable that, with the exception of a readable appendix by Mr. E. Major on the history of physical education, the report has been phrased with more than a modicum of the circumlocution that we had hoped was confined to the pronouncements of departmental committees. There are obvious signs that all is not well with the physical condition of the bulk of our population; and the report will serve a timely purpose if it focuses attention on the need for purposeful direction and co-ordination of the work that is being done throughout the country by way of improving the health of the nation. If such efforts are not well directed, they are misdirected.

## Items in Parliament

### DEFINITIONS REQUESTED

Asked whether hypnotic or narcotic substances as, for example, dial, chloralose, or sodium veronal were regarded as anesthetics for the purposes of the Act, 39 and 40 Vict., cap. 77, the Under-Secretary for Home Affairs (Mr. Geoffrey Lloyd) declared that the matter was one for decision in each case by the individual licensee.

### ACCUMULATOR ACID

On March 12 Mr. W. Duckworth asked the Home Secretary whether he would take steps to amend the Pharmacy and Poisons Act, 1933, so as to make it clear that it is not obligatory for garages and wireless dealers who engage in the charging of accumulators to be registered as sellers of poisons, in so far as such charging involves the use of sulphuric acid?

Sir John Simon: No, sir. The sale of sulphuric acid in accumulators is clearly exempted from the provisions of the Act by Rule 11, and the Third Schedule of the Poisons Rules, 1935.

### CHEMICAL WARFARE

The Secretary of State for War was asked whether chemical experts were employed in connexion with the use of poison gas as a legitimate weapon of warfare.

Mr. Duff Cooper: No training in the use of poison gas as a weapon of war is carried out in the Army. Chemical experts have, of course, been closely associated with the Army authorities in connection with training in defence against gas.

A further questioner inquired what were the names and basis of the gases with which the anti-gas protectors for the troops had been recently tested.

Mr. Duff Cooper: It is not in the public interest that I should reply to that question.

### ACETIC VINEGAR

The Minister of Health was asked whether his attention had been drawn to a recent case at Skegness where a man died as a result of drinking strong acetic acid which was labelled " Table Vinegar "; and to the fact that in November last an S.O.S. had been broadcast by the British Broadcasting Corporation dealing with the same danger in Sheffield; and whether he would take steps to prohibit the sale of acetic acid in any form as pure vinegar or table vinegar or, alternatively, would implement the findings of the Departmental Committee of two years ago in so far as they related to a definition of vinegar.

The Parliamentary Secretary to the Ministry of Health (Mr. Shakespeare): Yes, Sir. I would call my hon. Friend's attention to the reply to [another] question on this subject.

### PRISON-MADE ARTICLES

Dr. Salter asked the Home Secretary whether he was aware that bakelite caps and cork discs for scent and hair-lotion flasks, made by C. A. Griener & Sons, North Acton, were delivered at certain of His Majesty's prisons and assembled by prisoners for Woolworth, Ltd., as ordinary prison tasks, and

that electric terminals had been assembled in prisons, as routine prison tasks, for Gilson & Co., Ltd.; and whether it was now the practice of the Prison Commissioners to put on the market goods made by prison labour in competition with free labour?

Mr. Lloyd: Prison labour is almost entirely employed on work for Government Departments, but a very small amount of work is undertaken for private firms in accordance with the principles laid down by the Gladstone Committee of 1895 and re-affirmed by the recent committee.

### TRADE AGREEMENTS

In reply to a request for the names of countries with which trade agreements had been concluded; the dates at which the agreements came into effect and expired; and information whether any such agreements had expired, the President of the Board of Trade (Mr. Walter Runciman) gave the following list:—

—	Commencing date	Expiring date
Argentina ...	May 1, 1933 ...	November 7, 1936 (thereafter on six months' notice).
Denmark ...	June 20, 1933 ...	June 20, 1936.
Estonia ...	September 8, 1934 ...	December 31, 1936 (thereafter on six months' notice).
Finland ...	November 23, 1933 ...	November 23, 1936 (thereafter on six months' notice).
France ...	July 1, 1934 ...	March 31, 1935 (thereafter on three to six months' notice).
Germany ...	May 8, 1933 ...	After three months' notice.
Iceland ...	June 28, 1933 ...	June 28, 1936 (thereafter on six months' notice).
Latvia ...	October 12, 1934 ...	December 31, 1936 (thereafter on six months' notice).
Lithuania ...	August 12, 1934 ...	December 31, 1936 (thereafter on six months' notice).
Netherlands ...	August 1, 1934 ...	After three months' notice.
Norway ...	July 7, 1933 ...	July 7, 1936 (thereafter on six months' notice).
Poland ...	March 14, 1935 ...	December 31, 1936 (thereafter on six months' notice).
Sweden ...	July 7, 1933 ...	July 7, 1936 (thereafter on six months' notice).
Turkey ...	June 20, 1935 ...	March 20, 1936 (thereafter on two months' notice).
Uruguay ...	February 3, 1936 ...	February 3, 1937 (thereafter on three months' notice).
U.S.S.R. ...	March 21, 1934 ...	After six months' notice.

Notice of termination has not been given in any case, said Mr. Runciman. The agreements with Denmark, Estonia, Finland, Iceland, Latvia, Lithuania, Norway and Sweden were terminable at three months' notice at any time if undertakings regarding purchase of United Kingdom coal are not fulfilled. The agreement with Denmark provided that the contracting governments should consult together before the date of termination for the purpose of determining whether it should be continued in force and, if so, upon what conditions

# Wholesale Dealing in Poisons

ON and after May 1, 1936, important limitations will be imposed upon the sale of poisons by wholesale. Section 20 of the Pharmacy and Poisons Act, 1933, specifies the types of "wholesale sales" which are exempted from poisons restrictions except as provided by rules. Any person not keeping open shop is entitled under Section 20 to sell any poison by wholesale without either a pharmaceutical qualification or being subject to any requirement to conduct such business on registered premises. The definition of wholesale dealing in Section 29 of the Act is a "sale to a person who buys for the purpose of selling again" and includes within its scope all classes of traders connected with the drug trade (manufacturer, wholesaler, broker, agent and sale by one retailer to another). Since the wording covers sales between retailers a special rule (Rule 3) was requisite to make it unlawful for a shopkeeper to sell poisons on retail premises under Section 20 unless he is an authorised or listed seller of poisons. The general effect of the Poisons Rules is to create four distinctive types of Section 20 poisons, viz. —

Wholesale Sale	Registration Requirements	Labelling Provisions
(1) Export ... ... ... ...	None ... ... ... ...	None
(2) Industrial poisons (Second Schedule) ... ...	None ... ... ...	Label with (unspecified) words indicating the dangerous properties of the poison.
(3) To "Sellers" of poisons ... ...	None ... ...	As specified by Rules.
(4) For purposes of the purchaser's trade, business or profession (including medical, public and educational supplies).	Necessary (but entry may refer to a signed order).	As specified by Rules.

Rule 7 extends poison registration requirements to Section 20 sales of First Schedule poisons but provides that this shall not apply to wholesale sales (1), (2) and (3) above. However, Rule 7 (1) (b) requires the wholesaler to be reasonably satisfied that the purchaser requires the poison for re-sale or for use in manufacturing. Rule 7 (3) enables poison to be sold under the Section 20 (wholesale) exemption for use by purchasers in their trade or business, subject to supply on a signed order (i.e., without the purchaser signing the poisons register, which is ordinarily impossible in wholesale trading). The conclusion that the wholesaler cannot "retail" poisons is attained by a process of

**Analytical Reagent.**—Sale may be on a signed order. P.P. Act, Section 20 (5).

**Animal Medicine Maker** (registered under Rule 4).—Can supply on a signed order. P.P. Act, Section 20 (1) and (5).

**Authorised Seller of Poisons.**—May sell poisons under any of the Section 20 exemptions. Premises not used for retail need not be registered.

**Commercial Traveller.**—May deliver samples of poisons provided formalities are duly fulfilled. *See Sample.*

**Dispensing.**—Wholesale druggist may compound a prescription for an authorised seller, in which circumstance it is a sale under the Section 20 (1) exemption. A private patient cannot be supplied direct, since a wholesaler cannot fulfil Section 19 requirements (for which the authorised seller is responsible).

**Crude Drugs.**—These do not come within the scope of the Act and Rules since the natural substance is not a preparation. Standardised drugs containing poisons are preparations and the poisons provisions apply to any sale or supply, including samples.)

**Educational Supplies.**—Exempted under P.P. Act, Section 20 (5) (c).

**Export.**—The sale of poisons to be exported outside the United Kingdom is the only poisons transaction remaining entirely free from restriction, the object being to enable the supplier to comply with the conditions prevailing at their destination.

**Industrial Poisons.**—Rule 5 (2) exempts the poisons included in the Second Schedule from routine labelling conditions only when supplied to manufacturers and wholesalers, provided the outside of the package is conspicuously labelled with words indicating the dangerous properties of the poison. The provisions of Rule 20 ("Not to be taken" label for liquids) and Section 18 (1) (c) (iv) (name and address label) are retained and also apply.

**Labelling.**—Rule 5 (1) imposes *en bloc* the labelling provisions of Section 18 (1) (c) of the Act and of Rules 16 to 21 to all Section 20

elimination, Section 18 (i.e., sale on registered premises) applying in the absence of exemption under Section 20. Rule 7 in reality makes a somewhat subtle distinction between "trade buyers" and "trade users" of poisons. The former comprise retailers who are entitled to sell the poison again and the supply is truly a sale by way of wholesale dealing within the meaning of Section 20 (1) of the Act and of the Poisons Rules. In this case the maker or wholesaler is under a legal obligation to declare the name, proportion and character of the poison, and add such special notices and warnings as retail trading conditions may require in the case of pre-packed poisons. The "trade users" include purchasers who require poisons for use in their trade or business and re-sale will be illegal. In such instance there is undoubtedly a moral obligation to mark the article as "Not for re-sale" or with a warning that it is "For trade use only." In general the different classes of poisons for pharmaceutical purposes are much the same for retailing and wholesaling, as **THE CHEMIST AND DRUGGIST Poisons Guide** makes evident. The Glossary therein explains the

provisions applicable to sales exempted by Section 20 of the Act. However, there are problems peculiar to the wholesaling of poisons which are dealt with in paragraph form below. In this connection the all-important point to remember is that the term "wholesale dealing" means in poison law a sale for purposes of re-sale (i.e., it applies solely to the Section 20 (1) exemption), whereas the general interpretation current covers all sales exempted by Section 20 of the Act. The following notes form an addendum to the information in the **C. & D. Poisons Guide** and answer various specific queries:—

**sales except export.** These labelling particulars are the same for both wholesale and retail sales except that the wholesaler may omit his name and address in the case of a pre-packed poison supplied under Section 20 (1). Special provisions apply to Industrial Poisons (*q.v.*).

**Listed Seller of Poisons.**—May supply under Section 20 exemption. The sale of arsenical and mercurial poisons are, with few exceptions, restricted by Rule 14 (2) (b) to purchasers engaged in the trade or business of agriculture or horticulture (i.e., sale under Section 20 (5)).

**Mail Order Business.**—This type of business is difficult to conduct where poisons are involved, especially if the medicines are advertised and supplied direct from the maker to the public. Only authorised sellers of poisons can sell in these circumstances. Remedies containing unscheduled poisons are subject only to statutory labelling restrictions. When First Schedule poisons are concerned, the necessity for signing the poison register debars mail order supply under Section 18 of the Act. However, supply can be made under Section 19, i.e., via the prescription book. Unscheduled poisons can be dealt with in this manner if desired.

**Manufacture.**—Pharmaceutical preparations for the internal treatment of human ailments containing poisons are subject to manufacture by, or under the supervision of, a registered pharmacist or other person conforming with the requirements of Rule 29.

**Poisons Register.**—The form of record of sales of First Schedule poisons (Rule 32 and Twelfth Schedule) and the conditions applicable to the preservation of such records (Rule 33) are the same for wholesalers as for retailers.

**Premises.**—There are no poison registration requirements for the premises on which a wholesale business is carried on.

**Prepacked Poisons.**—Manufacturing wholesalers bear the onus of fulfilling certain label conditions applicable to retail sales. The intention is to make the manufacturer liable for errors and omissions in labelling require-

ments in the case of a poison sold as obtained from the maker. It is essential to know the conditions of supply before a definite decision can be made on labelling requirements and each prepacked poison must be dealt with as an entirely separate problem. Particular attention must be paid to Rule 14 (2) and 16 to 21 inclusive.

**Restricted Drug.**—Rule 12 does not apply to Section 20 (1) sales, i.e., sale by way of wholesale dealing is subject to specific labelling requirements. This is a sale under Section 20 (1) to an authorised seller of poison or 20 (3) to a medical practitioner and it is advisable to add a warning to the effect that the poison is "To be supplied on prescription only." Medical supplies to physicians, etc., must be on a signed order and entered in the poisons register.

**Sample.**—A commercial traveller may deliver a sample of poison under the conditions applicable to sales exempted by Section 20 of the Act. In the case of First Schedule poisons supplied to a medical practitioner, the poison registration formalities have to be completed before handing over the poison. This is done by forwarding a signed order to headquarters, where it is duly entered and thereafter the traveller is notified to deliver the poison. The supply may be delivered immediately provided the physician represents that the need is an emergency one. In such cases the signed order must be forwarded within twenty-four hours. Alternatively, the wholesaler can utilise an authorised seller as a local depot, the traveller delivering the sample to the pharmacist (no poison registration being necessary for a Section 20 (1) supply), who then supplies to the doctor on the signed order brought by the traveller.

**Storage.**—The only requirement applicable to wholesale premises is that of Rule 23 (1) which requires the container of a poison to be sufficiently stout to prevent leakage during ordinary risks of handling.

**Transport.**—Rule 24 and Rule 25 (relating to Eighth Schedule poisons) concern any consignment of poison and are thus specially important to wholesale dealers in poisons.

# A Historic Glasgow Wholesale Business

Few firms in the trade have so long and interesting a history as W. and R. Hatrick, Ltd., whose spacious premises at 158 Renfield Street, Glasgow, have recently been still further enlarged and modernised

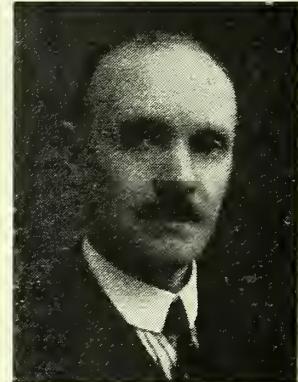


Mr. William Lindsay Hatrick,  
founder

OVER a hundred years ago William Lindsay Hatrick, then a young man in the service of the Glasgow Apothecaries' Company, decided to launch out on his own account and opened premises at 258 High Street, Paisley, as a wholesale and retail apothecary. Of an enterprising and practical turn of mind, he was keenly interested in the development of the applied sciences and was not afraid to experiment in production. His enterprise and initiative met with immediate and continued success and in 1860 he moved to Glasgow, where he secured a warehouse south of Argyle Street, which was taken over ten years later by the railway

company for the construction of St. Enoch Station. In the Glasgow enterprise he was joined by his son, Robert Robb Hatrick, Ph.C., the firm taking the name of W. and R. Hatrick and Company. Subsequently premises were occupied in North Frederick Street and Bothwell Street, and in 1881 the Renfield Street building was acquired. Mr. James L. Hatrick, a younger son of the founder, joined the firm and his

firm took temporary premises at once in Waterloo Street, while a magnificent new building, with six large flats, was being erected on the Renfield Street site. Since then important changes have taken place in the personnel of the directorate, the board now consisting of Mr. John H. Ramsay, Ph.C., who manages the concern, Mr. George Mackay, who has been with the firm since 1880, and Mr. David D. Doig. Mr. John H. Ramsay, Ph.C., who now controls the business, entered the pharmaceutical profession in 1899 and qualified in 1907, passing the Major examination four years later. He has taken an active part in the affairs of the Glasgow and West of Scotland Chemists' Association, being a frequent contributor on various scientific, literary and other topics, while he has also contributed to the evening meetings of the Pharmaceutical Society in Edinburgh. In 1919 he was elected to the Executive of the North British Branch of the Pharmaceutical Society, being appointed in the same year to the board of examiners of the



Mr. John H. Ramsay, Ph.C.



Above and right: Showcases in the reception hall



father retired from active participation in the business. Mr. James Hatrick afterwards returned south and founded the London firm of James L. Hatrick and Company, Ltd., his place in Glasgow being taken by Mr. William L. Hatrick, a son of Mr. Robert. On the latter's death in 1892, Mr. William assumed the entire responsibility of the business, a younger brother, Mr. Osbourne R. Hatrick, joining him later in the management, the association lasting for thirty years.

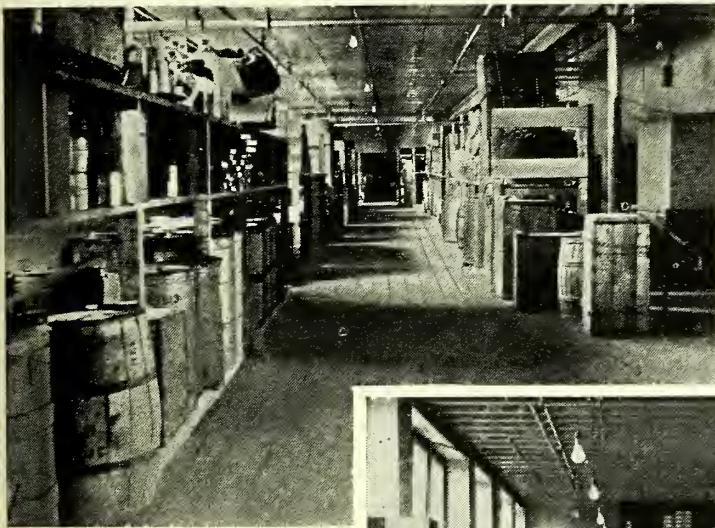
## Reconstruction and Changes

In 1898 the firm had a disastrous experience when the premises were completely destroyed by fire, three firemen losing their lives in the outbreak. With commendable courage the

Society in Scotland. He was chairman of the board for three years prior to 1935, when he resigned on account of his new responsibilities in connexion with the management of W. and R. Hatrick, Ltd. For some years he carried on a highly successful business in Partick, the wholesale side of which is incorporated with the concern of which he is now a director. His knowledge, experience and business acumen qualify him to a singular degree for the responsible position he now holds. Mr. Ramsay was appointed a director in June 1935, when a note appeared in THE CHEMIST AND DRUGGIST, June 15 issue. The registration of W. and R. Hatrick, Ltd., in Edinburgh as a private limited company with a capital of £50,000 took place in 1934. In recent weeks the firm has seen the completion of an elaborate reconstruction scheme, adjacent premises being

Right: Section of steel shelving, as used extensively throughout the building

Below: Store for heavy goods



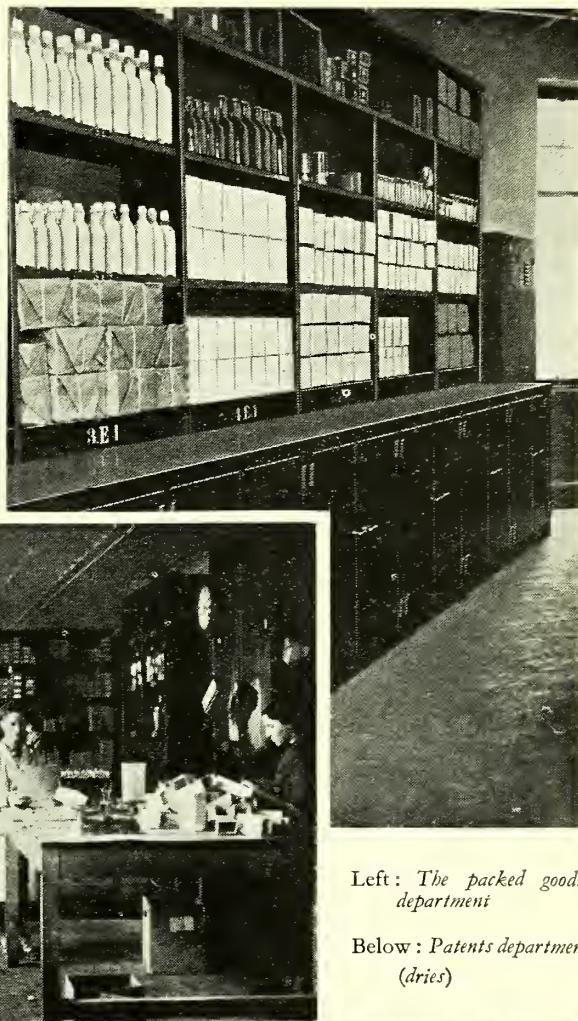
taken in and every modern adjunct to efficiency being added.

#### Recent Improvements

The new reception hall, with its service counter and unusual showcase, strikes a definitely original note, which is continued throughout the entire building of six flats. Everywhere one gathers the impression of a highly systematised business, every known device being incorporated to obtain ideal service, speed and safety. In the laboratory, tinctures, syrups, liquors, concentrated infusions, decoctions and liquid extracts are among many galenicals prepared.

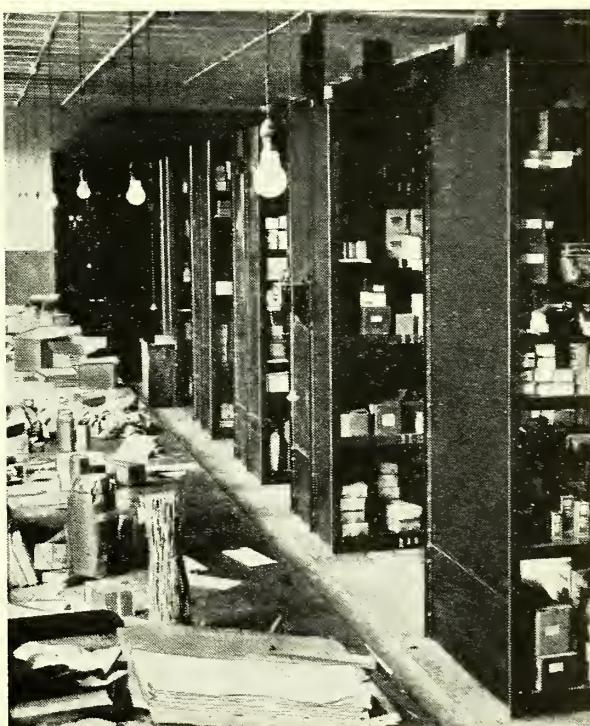
A dictograph is fitted throughout the premises; pneumatic tubes convey orders to every department; electric lifts operate on all floors; goods enter and leave the warehouse by different doors; temperature is scientifically regulated; thermostatically controlled boiler stokers are installed in the basement. Elaborate precautions are taken against fire, a special signalling system being connected with the Glasgow Central Fire Station; the latest in steel shelving and metal containers ensure that the vast stock carried by the firm is kept in perfect hygienic condition; dangerous drugs are stored in specially constructed strong rooms; electric drying ovens, bottling machines capable of filling at the rate of a thousand per hour, printing machinery operated by the firm's own staff—these items mentioned show that nothing has been left undone to meet the needs of a great business. Ample accommodation has been made for the needs of the staff and employees, while a room has been set apart for travellers, to which they can bring customers for a private chat.

The business of W. and R. Hatrick has been many times mentioned in the columns of the *C. & D.*, and it is interesting to recall that a receipt issued in 1832 by William Hatrick, Wholesale and Retail Apothecary, Paisley, for "6 Bt Best Castor Oil;  $\frac{1}{2}$  lb. Senna Leaves;  $\frac{1}{4}$  lb. Best Rhubarb; 7 lb. Saltpetre" and other items; and a snuff box presented to him in the same year "as a token of respect for services rendered," were among a number of illustrations, bearing on Scottish pharmaceutical history, reproduced in *THE CHEMIST AND DRUGGIST*, August 13, 1932.



Left: The packed goods department

Below: Patents department (dries)



## Key Industry Duties

THE following is a summary of the recommendations contained in a report of a Committee appointed by the Board of Trade to consider the position that will arise on the expiry on August 19, 1936, of the duties imposed under Part I of the Safeguarding of Industries Act, 1921, as amended by the Finance Act, 1926, and to report whether, and how far, in the interests of Imperial defence, and having regard to the provisions of the Act, (a) the various duties now in force should be continued, and if so, at what rates of duty; and (b) duties should be imposed on articles not coming within the scope of the present duties, and if so, at what rates of duty.

### Committee's Recommendations

1. The Key Industry duties imposed on Part I of the Safeguarding of Industries Act, 1921, as amended by the Finance Act, 1926, and the Finance Act, 1934, should be renewed in their present form for a further period of ten years at not less than the existing rates, such period being applicable also to the additions which we recommend to the Schedule to the 1921 Act and at the respective rates recommended.

2. Provision should be made (a) for application by manufacturers of Key Industry articles to the Import Duties Advisory Committee for any increase in, or modification of the basis of charging, the Key Industry duties which they may consider necessary on economic grounds, (b) for that Committee to report to the Treasury upon those applications and (c) for the Treasury (after consultation with the Board of Trade, and after ascertaining the views of the Service Departments) if they deem it desirable, to give effect to any recommendation by order, the statutory duty which we recommend being always regarded as the minimum. Provision should also be made for a further report and recommendation by the Import Duties Advisory Committee at any time for a reversion or partial reversion to the statutory minimum duties. Applications from the Service Departments for increases in or modifications of the basis of charging Key Industry duty on purely defence grounds should continue to be made to the Board of Trade direct.

3. The provision whereby the Board of Trade are empowered to issue lists defining the articles which are to be taken as falling within the Schedule to the Safeguarding of Industries Act, 1921, should be coupled with one enabling amendment of such lists, both existing and future, to be made by the Board when considered necessary.

4. Provision should be made for renewal of the power of exemption from Key Industry duty given by Section 10 of the Finance Act, 1922, and Section 12 of the Finance Act, 1926.

5. The provision for temporary exemption from Key Industry duty at present contained in Section 10 (5) of the Finance Act, 1926, should be renewed.

6. Provision should be made for exemption from Key Industry duty by licence issued by the Treasury on the recommendation of the Board of Trade in the case of single consignments of instruments and apparatus liable to that duty which comply with the requirements of Section 10 (5) of the Finance Act, 1926. Consideration might be given to the desirability of providing that exemption from Key Industry duty should, after consultation with the Import Duties Advisory Committee, and in cases where the entire instrument was subject to Key Industry duty, carry with it exemption from duty under the Import Duties Act.

7. Granular activated carbon of non-animal origin; parts of arc-lamp carbons, whether such parts are in a finished condition or are themselves imported in an unfinished state; parts of wireless valves and similar rectifiers and vacuum tubes; ferro-titanium commercially carbon-free; carbon-free manganese metal; and chromium metal should be added to the Schedule of articles chargeable with Key Industry duty, all parts of arc-lamp carbons being chargeable with the rate of duty applicable to arc-lamp carbons of diameters of fourteen millimetres and less, and the remaining articles being dutiable at a rate of 33½ per cent. *ad valorem*.

8. Extension of the Key Industry duties to the articles named in (7) above should be made effective with as little delay as possible after our recommendations have been made public.

[Editorial comment on p. 491.]

PRAGUE FAIR.—This year's Prague Spring Fair, a show of 2,833 exhibitors, was characterised by a record attendance of foreign visitors.

## Indian Chemical Trade

IMPORTS of industrial chemicals and acids during the period April 1 to December 31, 1935, were valued at Rs. 232 lakhs, compared with Rs. 207.5 lakhs for the corresponding period of 1934. The increased local production of soap has had its effect in reducing by half the total value of this trade, which fell from 186,311 cwts., valued at Rs. 53.9 lakhs, to 46,296 cwts., valued at Rs. 26.1 lakhs. The United Kingdom secures the bulk of this trade and suffered the heaviest loss owing to the activities of local manufacturers, her shipments being reduced from 160,325 cwts. (Rs. 45.9 lakhs) to 32,659 cwts. (Rs. 20.9 lakhs). The reduction in the total trade is mainly due to the very heavy fall in the imports of household and laundry soap, although the indigenous industry also affects the imports of toilet soap. The arrivals of household and laundry soap were reduced from 147,874 cwts., valued at Rs. 28.5 lakhs, to 10,319 cwts., valued at Rs. 2.3 lakhs, whilst the imports of toilet soap also diminished from 34,701 cwts., valued at Rs. 24.3 lakhs, to 31,817 cwts., valued at Rs. 22.5 lakhs.

The total of the chemical trade showed an increase during the period under review as compared with the corresponding period of the preceding year, from Rs. 140.3 lakhs to Rs. 157.3 lakhs. Imports for the first nine months of the two years in question of the principal items included under this heading were:—

	1934 Rs. (lakhs).	1935 Rs. (lakhs).
Camphor	... ... ...	15 16.2
Proprietary and patent medicines	... 28	48.3
Quinine salts	... ... ...	22.1 20.9
Saccharin	... ... ...	1.9 3.1

Of particular interest is the very large increase in the imports of proprietary and patent medicines, which were more than 70 per cent. higher than in the corresponding period of the preceding year. The United Kingdom is the largest supplier under this heading and her shipments advanced from Rs. 14.2 lakhs in the nine months ending December 1934 to Rs. 20.3 lakhs in the same period of 1935. Arrivals from Germany also rose sharply from Rs. 5 lakhs to Rs. 11.6 lakhs, and from the United States from Rs. 4.3 lakhs to Rs. 8.7 lakhs. Imports from "other countries" also rose from Rs. 4.5 lakhs to Rs. 7.6 lakhs.

## Selectively Irradiated Ergosterol

In a "preliminary communication" to "The Journal of the American Medical Association" (106, 6, 452), T. H. Rider and others discuss the implications of the fact that the rat unit is not entirely satisfactory as a basis for clinical comparisons of "yeast milk," irradiated ergosterol and cod-liver oil. The authors suggest that a partial explanation of the discrepancies between the potencies of these anti-rachitic agents may lie in the fact that the irradiation of ergosterol with ultra-violet rays as developed by the quartz mercury vapour lamp may produce a multiplicity of ergosterol conversion products. It is possible that one of these is the "phosphate raising" factor mentioned by Hess and his associates, which might have a favourable curative effect on rickets in rats but not in human beings. Experiments to elucidate this question are being planned. The fact that the ordinary irradiation of ergosterol leads to the formation of products that have definite physiological behaviour—which may be of a harmful nature—without an effect in calcifying the bones, may be another factor which helps explain these discrepancies. Laquer and Linsert have found that, by the further irradiation of vitamin D, a product which they name toxisterol may be formed. They have reported that this substance is toxic but anti-rachitically almost inactive. Its maximum absorption occurs at 250 m $\mu$ , and since, ergosterol, after having been irradiated with the full ultra-violet spectrum until no activity remains, has a similar maximum absorption, it appears that toxisterol is probably present in any product irradiated in this way. A product prepared by the use of ultra-violet radiations of properly selected wavelengths under the Sperti patent is now available. It is a solution of the irradiation product in vegetable oil, the potency of which has been adjusted to 10,000 U.S.P. X (Revised 1934) units per gram.

# Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

## 28 Essex Street, W.C.2, April 23

IN some quarters there are indications of a little improvement in demand, but on the whole the markets continue subdued. Values are mostly quite steady, with a number of distinctly firm items, particularly in natural products. Buying from the Continent has again been restricted in volume, and speculative business seems to have been very quiet. There is nothing of direct interest to the markets in the Budget except the continuation of the key industry duties. Business in PHARMACEUTICAL CHEMICALS continues on routine lines, with no changes of importance to record. Makers' prices for OPIUM ALKALOIDS continue at the adjusted prices recorded last week.

### Crude Drugs

A moderate general business is reported, with a few lines continuing fairly active. With but very few exceptions prices are distinctly steady in this section of the markets. AGAR is steadier on spot and slightly dearer forward. Cape ALOES are slightly dearer for shipment; Curacao are rather easier forward. The demand for BARBASCO ROOT is still good, and spot supplies are wanted; shipment firm. The spot demand for BUCHU is comparatively small, but the limited stocks of new crop here are mostly firmly held at good prices, due to lack of offers from the source and reports that higher prices will be required in due course. The source indicates a strong position in CASCARA SAGRADA; the 1935 peel is quoted dearer. Bergen reports Finmarken fishing in progress, but the oil crop is still short and shipment prices for Norwegian COD-LIVER OIL are firm. The demand for DERRIS ROOT continues brisk, with very limited supplies, spot and forward. Quite a nice business is reported in Russian ERGOT on spot; the Spanish and Portuguese product has remained idle. French GENTIAN is moving well on spot. Sudan GUM ACACIA is a dull and rather easier market. More business on spot in Matto Grosso IFFCACUANHA at full prices. LYCOPODIUM is very firm and scarce on spot, and shipment is sharply dearer. MENTHOL has had another poor week. PEPPERS are fractionally dearer forward. Jamaican SARSAPARILLA has sold in better quantities on spot. SHELLAC continues steady at the recent improvement. TONKA BEANS are firm as quoted. A good deal more inquiry for TRAGACANTH, with the medium and white grades in very restricted supply.

### Essential Oils

Rather quiet markets are reported, with a few lines meeting with a fair demand. Shipment offers of ANISE (STAR) in drums are coming to hand; prices asked are too high, but counter bids have been ignored. Spot business in BERGAMOT has been negligible; no further news of the Consortium. Shippers report no Australian EUCALYPTUS available for prompt shipment. Sicilian hand-pressed LEMON is quoted over a wide range of prices on spot, but there has been little business of importance transacted. New crop French Guinea ORANGE has sold fairly well on spot and both spot and shipment prices are keeping fully steady. Singapore PATCHOULI has been offering at cheaper prices on spot, but failed to attract much business. Japanese PEPPERMINT continues to find a fair consuming demand on spot, and quoted prices are well maintained. Australian SANDALWOOD is slightly cheaper. In the group of FIXED OILS a recovery in value of American TURPENTINE is recorded, with the market firm. LINSEED (RAW, NAKED) is steadier. PALM OILS have sold well at good prices. Hankow WOOD is very short on spot and values are quoted dearer.

### Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:

Centre	Quoted	Par	April 23	Value of the £
Amsterdam	Fl. to £	12·107	7·27 $\frac{3}{4}$	12/0 $\frac{1}{4}$
Berlin	Mks. to £	20·43	12·28	12/0 $\frac{1}{4}$
Brussels	Belgas to £	nominal	29·21	16/8
Copenhagen	Kr. to £	18·159	22·40	24/8
Lisbon	Esc. to £	110	109 $\frac{3}{4}$	19/11 $\frac{1}{4}$
Madrid	Ptas. to £	25·22 $\frac{1}{2}$	36 $\frac{3}{4}$	28/6
Milan	Lire to £	92·46	62 $\frac{1}{2}$	13/6 $\frac{3}{4}$
Montreal	Dol. to £	4·86 $\frac{3}{4}$	4·96 $\frac{1}{4}$	20/5
New York	Dol. to £	nominal	4·93 $\frac{1}{2}$	20/4 $\frac{1}{2}$
Oslo	Kr. to £	18·159	19·00 $\frac{1}{2}$	21/11
Paris	Fr. to £	124·21	74 $\frac{3}{4}$	12/0 $\frac{1}{4}$
Prague	Kr. to £	104·25	119 $\frac{1}{2}$	12/0 $\frac{1}{4}$
Stockholm	Kr. to £	18·159	19·39 $\frac{1}{2}$	21/4
Warsaw	Zloty to £	43·38	26 $\frac{1}{4}$	12/0 $\frac{1}{4}$
Zurich	Fr. to £	25·2115	15·17	12/0 $\frac{1}{4}$

Bank rate 2 per cent.

### Pharmaceutical Chemicals, etc.

BUSINESS has been moving on rather limited lines, with the general tone fairly steady. Prices for opium products continue at the makers' prices recorded last week.

ACETANILIDE.—Market continues steady and quiet: B.P. crystals and powder, 1s. 5 $\frac{1}{2}$ d. to 1s. 8d. per lb., as to quantity.

APOMORPHINE HYDROCHLORIDE.—As notified last week, makers' price is reduced to 93s. 3d. per oz. Home trade and export rebates for quantities the same as for Morphine.

AMMONIUM BENZOATE.—The spot values are quoted at about 3s. 4 $\frac{1}{2}$ d to 3s. 6d. per lb., as to quantity.

ASPIRIN.—Makers' scales of prices fully maintained: home trade, ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8 $\frac{1}{2}$ d.; 28 lb., 2s. 9d.; 14 lb., 2s. 10d.; 7 lb., 3s.; 4 lb., 3s. 2d.; 1 lb., 3s. 4d. per lb. Bulk packing free, net, carriage paid. Contracts: Over twelve months, minimum one ton; over six months, less than one ton.

BARBITONE.—Demand slow, spot quotations irregular: spot, one cwt., 15s. 3 $\frac{1}{2}$ d.; 56 lb., 15s. 8d.; small parcels, up to 16s. 2d. per lb.

BENZOIC ACID (B.P.).—Steady business, with makers' prices unchanged: quantities, ex works, 1s. 9 $\frac{1}{2}$ d.; spot parcels, 1s. 10d. to 2s. 3d. per lb., ex store, as to quantity.

BISMUTH SALTS.—Makers' scales of prices unchanged, fair demand: Carbonate, B.P., one cwt., 6s. 6d.; 28 lb., 6s. 9d.; 8 lb., 7s. 3d.; less than 8 lb., 8s. 6d. per lb., with rebates for quantities.

CALCIUM LACTATE.—Business on a moderate scale, market steady: spot, one cwt., 1s. 0 $\frac{1}{2}$ d.; 56 lb., 1s. 1 $\frac{1}{2}$ d.; 28 lb., 1s. 2 $\frac{1}{2}$ d.; smaller quantities, up to 1s. 6d. per lb.

CULORIC HYDRAINE.—Market is steady at makers' scale of prices: duty-paid crystals, in 14-lb. free containers, five cwt., 3s. 1d.; one cwt., 3s. 2d.; 28 lb., 3s. 3d.; 14 lb., 3s. 4 $\frac{1}{2}$ d. per lb.; 28-lb., jars one penny per lb. extra.

CHLOROFORM.—Makers' prices are as follows: 2 cwt., 2s. 5 $\frac{1}{2}$ d.; one cwt., 2s. 6d.; 56 lb., 2s. 6 $\frac{1}{2}$ d.; less, 2s. 7 $\frac{1}{2}$ d. per lb., in w-quarts of 8 lb. Packed in drums, 1d. per lb. less. Small bottles extra, from 5d. per lb. for 1-lb. bottles to 1d. for 2-lb. bottles. Carriage paid on minimum cwt. lots.

CITRIC ACID (B.P. CRYSTALS).—Good inquiry being received: British material quoted at 1s. per lb., less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

COCAINE.—British makers' prices for this market for wholesale bulk quantities are as follows: HYDROCHLORIDE and NITRATE, 8 oz., 34s. 1d.; 4 oz. and less than 8 oz., 34s. 7d.; 2 oz. and less than 4 oz., 35s. 5d.; 1 oz. and less than 2 oz., 36s. 5d.;  $\frac{1}{2}$  oz. and less than 1 oz., 37s. 11d.;  $\frac{1}{4}$  oz. and less than  $\frac{1}{2}$  oz., 40s. 11d. per oz. PURE CITRATE and SALICYLATE, 8 oz., 36s. 10d.; 4 oz. and less than 8 oz., 37s. 4d.; 2 oz. and less than 4 oz., 38s. 2d.; 1 oz. and less than 2 oz., 39s. 2d.;  $\frac{1}{2}$  oz. and less than 1 oz., 40s. 8d.;  $\frac{1}{4}$  oz. and less than  $\frac{1}{2}$  oz., 43s. 8d. per oz., packages extra. Resale: Sales subject to buyers undertaking not to re-sell any quantity at below the scale price for such quantity current at the time of re-sale. These scales of prices do not apply to export business, particulars of which may be obtained from the usual sources of supply.

CODEINE.—Makers' prices at the reductions recorded last week: Pure, crystals or precipitated, 21s. 8d.; Hydrochloride and Sulphate, 18s. 8d.; Phosphate, 16s. 5d. per oz. Home trade and export rebates for quantities the same as for Morphine.

COITARINE HYDROCHLORIDE.—Makers' prices at the reduction recorded last week at 14s. 11d. per oz. Home trade and export rebates for quantities the same as for Morphine.

CREAM OF TARTAR.—Fair business, with values keeping steady: British material, 99 to 100 per cent., 70s. per cwt., less 2 $\frac{1}{2}$  per cent. discount. Makers' prices for foreign material competitive.

CRESOSOTE (B.P.).—Business has remained dull: bulk quantities, in 25-kilo. demijohns, about 1s. 9d. per lb.; smaller parcels, 1s. 10d. to 2s. 3d. per lb., ex store.

GUAIACOL CARBONATE.—British material is quoted in the region of 9s. to 9s. 3d. per lb., with imported material competitive.

HEXAMINE.—Makers' prices for bulk quantities are competitive: fair business: B.P. powder, from 1s. 3 $\frac{1}{2}$ d. to 1s. 4 $\frac{1}{2}$ d.; free-running

crystals, from 1s. 7d. to 1s. 8½d. per lb., carriage paid, for bulk lots. Dealers quoting free-running crystals, two cwt., 1s. 7½d.; one cwt., 1s. 8d.; 1s. 10d.; smaller parcels, up to 2s. per lb., carriage paid.

**IODIDES.**—A moderate business, with scales of prices unchanged: Potassium Iodide, B.P., one cwt., 5s.; 28 lb., 5s. 2d.; 14 lb., 5s. 4d.; 7 lb., 5s. 8d.; 4 lb., 6s. 2d.; smaller quantities, 6s. 8d. per lb.

**MORPHINE.**—Makers' prices at the reductions recorded last week. Pure, precip., Meconate and Tartrate (neutral), 28s. 4d. per oz. Acetate, Hydrochloride and Sulphate, 22s. 9d. per oz. Diacetyl, 30s. 10d.; Diacetyl Hydrochloride, 28s., and Ethyl Hydrochloride, 21s. 8d. per oz. Home trade rebates: 5 oz., 2½ per cent.; 35 oz., 5 per cent.; 100 oz., 7½ per cent.; 250 oz., 10 per cent., carriage paid. Export rebates are the same as for home trade but quoted c.i.f. overseas destination.

**NARCEINE.**—Makers' prices at the reductions recorded last week. Pure and Hydrochloride, 29s. 1d. per oz. Home trade and export rebates for quantities the same as for Morphine.

**NARCOTINE.**—Makers' prices at the reductions recorded last week. Pure and Hydrochloride, 6s. 9d. per oz. Home trade and export rebates for quantities the same as for Morphine.

**PARAVERINE.**—Makers' prices at the reduction recorded last week. Pure and Sulphate, 17s. 2d.; Hydrochloride, 15s. 8d. per oz. Home trade and export rebates for quantities the same as for Morphine.

**PARAFORMALDEHYDE.**—Moderate inquiry with quotations about steady: 100 per cent. powder, quantities in kegs, 1s. 1d. to 1s. 1½d.; smaller parcels up to 1s. 6d. per lb.

**PHENACETIN.**—Rather more inquiry, market steady as quoted: crystals or powder, bulk quantities, 2s. 6d. to 2s. 7d.; smaller parcels, 2s. 7½d. to 3s. per lb.

**PHENAZONE.**—A slow market with competition keen: crystals, five cwt., 8s. 9½d.; two cwt., 9s. 0½d., and less, 9s. 3d. per lb., with powder 2½d. per lb. extra.

**PHENOLPHTHALEIN.**—Fairly steady with a little more inquiry about: two cwt., 2s. 6d.; one cwt., 2s. 10d.; 28 lb., 3s.; 14 lb., 3s. 1d.; 7 lb., 3s. 2d.; smaller parcels, up to 3s. 6d. per lb.

**PHENYL ETHYL BARBIURIC ACID.**—Dealers continue to quote small spot parcels from 2s. to 26s. per lb., in 2 lb. bottles

**PIPERAZINE.**—Continental material quoted as follows: in 8-oz. bottles, 11 lb., 53s. 4½d.; 2 lb., 54s. 9½d.; less, 56s. 3d. per lb., ex warehouse. In 1-oz. bottles, 11 lb., 61s. 1d.; 2 lb., 63s. 3d.; less, 64s. 9d. per lb., ex warehouse.

**POTASSIUM PERMANGANATE (B.P.).**—Steady business, with dealers' prices maintained: quantities in drums, 8½d. to 9d.; druggists' parcels, from 9½d. to 1s. per lb., as to quantity.

**POTASSIUM SULPHOGUAIACOLATE.**—Quoted unchanged, market dull: spot, from 6s. 3d. to 6s. 4½d. per lb., as to quantity.

**QUININE SALTS.**—Convention scales of prices continue steady: business about normal; sulphate, 2s. 1d.; bisulphate, 2s. 1d.; ethyl carbonate, 2s. 8½d.; salicylate, 2s. 9½d.; hydrochlor., 2s. 7½d.; bishydrochloride, 2s. 10½d.; hydrobromide, 2s. 7½d.; bishydrobromide, 2s. 10½d.; valerenate, 3s. 7d.; hypophosphite, 3s. 10½d.; alkaloid, 2s. 11d. per oz., carriage paid on bulk quantities, 100-oz. tins free; smaller packing extra.

**RESORCIN.**—British material is quoted unchanged: crystals, one cwt., 4s. 11d.; 56 lb., 5s.; 28 lb., 5s. 1d.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; less than 7 lb., up to 6s. per lb.

**ROCHELLE SALTS.**—Makers' prices are as follows:—

	Pulv. Soda Pot. Tart. B.P.	Pulv. Seidlitz	Double Seidlitz
	Per cwt.	Per cwt.	Per cwt.
Under 1 cwt. .... .... ....	82 6	66 3	73 3
Under 5 cwt. .... .... ....	80 0	64 3	71 3
Not less than 5 cwt. in one delivery...	77 6	62 6	69 0

Soda Pot. Tart. cryst. at 2s. 6d. per cwt. extra to powder. Special prices for quantities. Contracts are accepted subject to a rise and fall clause.

**SACCHARIN.**—The Convention price for 550 is 37s. 6d. per lb., duty paid, with rebates for quantities.

**SALICYLIC ACID (B.P.).**—Business remains distinctly quiet: five cwt., 1s. 7d.; one cwt., 1s. 7½d.; 28 lb., 1s. 8d.; 14 lb., 1s. 9d.; 7 lb., 1s. 10d.; 4 lb., 2s. per lb.

**SALOL.**—A modest business passing at keen prices: spot, crystals, two cwt., 3s. 6d.; one cwt., 3s. 6½d.; 56 lb., 3s. 7½d.; smaller parcels, up to 4s. per lb.; powder, 2½d. per lb. extra.

**SANTONIN.**—Outside parcels are now quoted steadily at about £22 to £25 per kilo., as to quantity. No change in first-hand prices: not less than 50 kilos., £35 12s. 6d.; not less than 25 kilos., £36 1s.; not less than 10 kilos., £36 9s.; not less than 3 kilos., £36 17s.; not less than 1 kilo., £38 13s. 6d.; less than 1 kilo., £39 13s. 6d. Special prices are in operation for export to all markets.

**TARTARIC ACID (B.P. CRYSTALS).**—Fair inquiry, market steady. British makers quote at 1s. per lb., less 5 per cent. discount. Dealers offering foreign material at competitive prices.

**THEOBROMINE.**—Continental material: pure, two cwt., 7s. 10d.; one cwt., 8s.; 56 lb., 8s. 2d.; smaller quantities, 8s. 4d. per lb. Sodium salicylate, two cwt., 6s. 3½d.; one cwt., 6s. 4½d.; 56 lb., 6s. 5½d.; smaller quantities, 6s. 6½d. per lb., delivered, 5-lb. tins free, smaller packages extra.

**THYMOL.**—Convention prices unchanged, business quiet: synthetic, fine white, two cwt., 5s. 10d.; one cwt., 6s.; 56 lb., 6s. 4d.; 28 lb., 6s. 9d.; less than 28 lb., 7s. 6d. per lb.; ex ajowan seed, one cwt., 7d.; 56 lb., 8s. 10d.; 28 lb., 9s. 4d.; 14 lb., 10s. per lb.

**VANILLIN.**—Convention prices are fully steady: ex clove oil or guaiacol, five cwt., 12s. 9d.; one cwt., 13s.; 56 lb., 13s. 3d.; less, 13s. 9d. per lb.

#### Crude Drugs, etc.

**AGAR.**—Rather more inquiry on spot, shipment prices are slightly firmer: spot, Kobe No. 1, 2s. 5d.; No. 2, 2s. 4d.; Yokohama, No. 1, 2s. 4d. per lb.; shipment, Kobe No. 1, 1s. 10½d.; No. 2, 1s. 9½d.; Yokohama, No. 1, 1s. 9½d. per lb., c.i.f.

**ALOES.**—Spot business has been quiet; shipment conditions for Cape slightly dearer and for Curaçao rather easier; Cape, spot, 52s. 6d. for fair hard bright in boxes; shipment, 49s. 6d. for prime in boxes, c.i.f. Curaçao, spot, 102s. 6d. to 115s., as to quality; shipment, via New York, 90s. to 92s. 6d.; from origin, 95s. per cwt., c.i.f.

**ANTIMONY.**—Chinese crude is quoted cheaper at £29 10s., c.i.f. English regulus is unchanged at £72 to £73, spot.

**BALSAMS.**—Limited business, with values unchanged: *Tolu*, 1s. 6d.; *Canada*, 2s. 9d.; *Peru*, 5s. 4d. per lb., spot.

**BARESCO ROOT.**—A very fair inquiry continues for this article, and prices are firm, tending to advance. Practically nothing on spot. For shipment, limited offerings, with May-June at about 10½d. to 11s., c.i.f. For April there may be re-sellers at about 11½d. to 1s. per lb., c.i.f.

**BUCHU.**—While inquiry continues small on spot the position is firm. There is at the moment a very limited quantity of new crop rounds which might be booked at 1s. 5d. to 1s. 6d., but other holders' minimum prices are 1s. 6d. to 1s. 7d. The remaining few lots of old crop rounds range from 1s. 4½d. to 1s. 6d., as to quality. The source is making no offers, and bids at figures comparative to current spot values have been ignored. Some quarters in close touch with shippers appear confident that in due course prices will be substantially dearer.

**CAMPHOR.**—Values continue steady, average spot business; Japanese, spot, tablets, 2s. 5d.; powder, 2s. 3d.; slabs, 2s. 2½d. per lb., ex store. Shipment, tablets, 2s. 1½d.; powder, 2s. 0½d.; slabs, 2s. per lb., c.i.f. English refined is unchanged; flowers, 1 cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz. and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., 3 oz. and 4 oz., 3s. 6d. per lb.; special prices for contracts and quantities.

**CANTHARIDES.**—Interest in offers of new crop Chinese flies at 1s. 7d. to 1s. 7½d. per lb., c.i.f., continues.

**CASCARA SAGRADA.**—The source reports the carry-over is unusually small, and owing to the cold weather peeling has not yet commenced, and it is added that recent prices have been uneconomic. Values for the 1935 peel are dearer: spot, 1932 peel, 56s.; 1933 peel, 54s.; 1934 peel, 53s.; 1935 peel dearer at 52s. 6d. per cwt.; shipment, 1933 and 1934 peel, 46s., and 1935 peel firm at 45s. per cwt., c.i.f.

**CHAMOMILES.**—The market has been quieter; spot offers range from 95s. for mixed off-colour up to 120s. per cwt. for fair white flowers.

**CLOVES.**—Quoted unchanged on a rather slow market: Zanzibar, spot, 7½d.; shipment, May-June, 7d. per lb.; c.i.f. Madagascar, in bond, 6½d.; shipment, May-June, 6d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended April 18 were 72 and the deliveries 6, leaving a stock of 2,191. From January 1 to date the landings of Zanzibar have been 1,996 and the deliveries 880. Landings of Madagascar for the week ended April 18 were nil and the deliveries 1, leaving a stock of 1,977. From January 1 to date landings of Madagascar have been 1,466 and the deliveries 1,051 packages.

**COCONUT (DRIED).**—Spot values steady; shipment quoted slightly dearer: spot, fine, 24s. 6d.; medium, 23s. 9d. per cwt.; shipment, April, 22s.; May, 21s. 4½d.; June, 21s. per cwt., c.i.f.

**COD-LIVER OIL.**—Bergen reports Finmarken fishing has commenced. Season's results to April 18: 89,042 tons of cod and 47,288 hectol. of oil, compared with 79,349 tons of cod and 51,052 hectol. of oil at the same date in 1935 and 115,449 tons of cod and 73,275 hectol. of oil in 1934. The shipment market is reported fully steady with fair business being done. Finest Lofoten steam refined medicinal oil firm at 8s. per barrel, c.i.f., London; spot, in small lots, about 127s. 6d. per barrel, ex store, duty paid. Newfoundland, non-freezing medicinal oil, about 130s. per barrel, ex store. British non-freezing medicinal oil is now quoted at 100s. per barrel, London, duty free, while quotations from another home source are at higher figures.

COLCHICUM.—Dealers are offering small spot parcels at about 40s. per cwt.

DAMIANA LEAVES.—The spot quotations are from 9d. to 9½d. per lb., as to quality and quantity.

DANDELION ROOT.—The limited supplies of foreign root available here are quoted steadily at 82s. 6d. per cwt. for small parcels.

DERVIS ROOT.—This market continues to receive plenty of inquiry but spot supplies are very limited and mostly of low quality. Root of 17 per cent. ether extract is firm at 1s. 3d. to 1s. 4d. per lb. Shipment offers are limited and firm, with April at 11½d. and May at 11½d. per lb., c.i.f., basis 17 per cent. ether extract.

ERGOR.—There has been a fair business on spot in Russian, with slightly worny at 3s. 3d. to 3s. 4d. and a parcel of bold at 4s. per lb. The shipment price from the Continent for Russian and Polish is about 3s. c.i.f. Portuguese and Spanish idle and non-united.

GENTIAN.—Quite a good demand this week, with French root on spot at 40s., with shipment offers at 36s. to 37s. 6d. per cwt., c.i.f.

GINGER.—At the further advance, spot and forward, West African is firm: West African, spot, 60s.; for arrival, 55s. per cwt., c.i.f. Jamaican, spot, bold, in barrels, 96s. to 100s.; small grinding, 70s. per cwt., in bags, ex store.

GUM ACACIA.—The demand is still on the small side: spot, Kordofan cleaned sorts, about 40s. to 41s.; bleached No. 1, 110s.; extra, 120s. per cwt.; shipment, Kordofan cleaned sorts, 35s. per cwt., c.i.f.

HENBANE.—Dealers are offering some small spot parcels at about 80s. per cwt.

HENNA.—A modest business is reported in new crop Egyptian good green leaves at about 32s. 6d. per cwt.

HONEY.—Market has been rather quiet: Jamaican, dark manufacturing, 29s. 6d. up to 42s. 6d. for pale salt. Mexican, amber to pale amber, 35s. per cwt., spot.

HYDRASTIS.—This is still a rather quiet market: spot, 9s. 4½d. to 9s. 6d.; shipment, 9s. 3d. per lb., c.i.f.

IPACACUANHA.—Quite a nice business on spot, mostly in smallish parcels; values very steady: Matto Grosso, B.P. test, 5s. 6d. to 5s. 7½d. per lb.; inferior parcels, from 5s. 3d. to 5s. 4½d. per lb.; shipment, 4s. 10½d. per lb., c.i.f.

LYCOPODIUM.—Whatever may be available here is firmly held for at least 10s. per kilo. A bid of 8s. per kilo., c.i.f., was ignored by the source and from another quarter an offer for shipment was received at 9s. 10d. per kilo., c.i.f.

MENTHOL.—This market has remained dull and there is a complete absence of speculative interest. K/S brands, 14s. 1½d. to 14s. 3d. Japanese shippers are quoting May-June at 12s. 6d. per lb., c.i.f.

MERCURY.—The Spanish-Italian group report their shipment price is steady with a fair business being done: 62 dollars per bottle, f.o.b., Continent; spot, in small lots, £12 12s. to £12 12s. 6d. per bottle, ex store.

OPIUM.—Average demand on spot for smallish quantities: spot, 1s. 4d. to 1s. 4½d. per unit, landed and duty paid.

ORRIS ROOT.—The very small lots of Florentine available are steadily quoted at about 75s. per cwt.

PEPPER.—Although quiet, values are quite steady with shipment prices fractionally better: Lampong, in bond, 2½d.; shipment, April-May, 2½d.; August-October, 2½d., c.i.f. Tellicherry, spot, 4½d.; shipment, April-May, 35s. 6d., c.i.f. Aleppy, spot, 4½d.; shipment, April-May, 34s. 6d., c.i.f. White Muntok, in bond, 4½d.; shipment, April-May, 4½d.; August-October, 4½d., c.i.f.

PIMENTO.—Market continues fully steady: spot, 7½d. per lb.; shipment, May-June, 64s. per cwt., c.i.f.

RUUBARB.—There has been a fair business in rough round quoted at about 1s. 5½d. to 1s. 6½d., as to quality. High dried, flat horny coated is available at 1s. 7d. to 1s. 8d. In Shensi the shipment parcel recently referred to is due here in about a fortnight, containing all the usual grades, and will be quoted at 4s. 6d. to 4s. 9d. per lb., ex store.

RUBBER.—Values close below the best, but level on the week; fair volume of business, closing steady. Standard ribbed smoked sheet, spot, 7½d.; May, 7½d.; June, 7½d.; July-September, 7½d.; October-December, 7½d.; January-March, 7½d. per lb.

SAFFRON.—Business on a small scale, on spot: spot, B.P., 189s. prime, 45s. 6d.; extra, 43s.; super, 40s. per lb., and less for bulk quantities.

SARAPARILLA.—There has been a very fair inquiry, mostly for grey Jamaica: spot, Jamaican grey, 1s. 3d. to 1s. 4d.; native, mixed colours, 10½d. to 1s. per lb., as to quantity, spot.

SEEDS.—ANISE.—Spot, duty paid, Bulgarian, 30s.; Spanish, 57s. 6d. CANARY.—Market quiet, all prices quoted duty paid: Mazagan, 35s.; Spanish, 45s. to 52s. 6d.; Turkish, 30s. CARAWAY.—Dutch, on spot, 41s. 6d., duty paid. Morocco sold at 32s. 6d.

CORIANDER.—Morocco, spot, quoted at 22s. 6d., duty paid. CUMIN.—Spot, Malta, 47s. 6d.; Morocco, 47s. New crop, Morocco, for June-July shipment, offered at 33s., c.i.f. DILL.—Indian, 11 per cent., spot,

17s. FENUGREEK.—Morocco, spot, 1s. 6d., duty paid. FENNEL.—Indian is 32s. 6d., spot. MUSTARD.—English, 20s. to 31s. per cwt., according to quality.

SENEGA.—A small routine business passing, with spot steady at 1s. 5d. and shipment quoted at 1s. 4½d. per lb., c.i.f.

SENNA.—Reports from India state heavy rains have caused some damage and in some areas re-sowing will have to be undertaken. There has been a fair spot inquiry and parcels of prime green Tinnevelly, bold selected leaves, are quoted at 8d.; No. 1, 6d.; No. 2, 4½d.; and No. 3, 3d. per lb. Alexandrian have remained rather quiet and are quoted unchanged. Shipments of the finest quality hand-picked pods continue to be of little importance, but medium grades are fairly plentiful.

SHELLAC.—At the better figures the market is steady with more inquiry about: spot, standard TN orange, 54s. to 59s.; fine orange, 70s. to 145s.; pure button, 70s. to 75s. per cwt., spot. For delivery, TN, May, 54s.; August, 55s. 6d. For arrival, TN, May-June, 53s. per cwt., c.i.f.

SQUILL.—Dealers are offering some fair white in small parcels at about 50s. to 52s. per cwt., spot.

TONKA BEANS.—Values are steadily maintained. Fair frosted Para beans, spot, 4s.; shipment, 3s. 3d., c.i.f. Some fine frosted Angostura beans on spot quoted at 8s. 6d. per lb.

TRAGACANTH.—There has been a better inquiry, particularly for medium and best grades of druggists' qualities, which are in very limited supply and quoted from £20 to £29. Grades from £18 to £22 have also been in better request. The textile grades, ranging from 85s. to 120s. per cwt., show a revival of interest.

VALERIAN ROOT.—Dealers are quoting small spot parcels in the region of 35s. per cwt. Business quiet.

WAX.—BEES'.—More inquiry this week and prices are keeping steady. Calcutta, bleached, spot, 135s.; afloat, 130s.; shipment, 122s. 6d., c.i.f. Abyssinian, spot, 120s.; in bond, 108s.; shipment, 106s., c.i.f. Benguela, spot, 120s.; shipment, 104s., c.i.f. Conakry, spot, 120s., nominal; shipment, 107s. per cwt., c.i.f. CARNAUBA.—A better inquiry and prices are well maintained. Fatty grey, spot, 165s.; afloat, 150s.; shipment, May-June, 154s. 6d., c.i.f. Chalky grey, spot, 165s.; shipment, May-June, 158s., c.i.f. Primeira, spot, good quality, 220s.; afloat, 207s. 6d.; shipment, May-June, 200s., c.i.f. Mediana, spot, 205s.; shipment, 192s. 6d. per cwt., c.i.f.

#### Essential Oils, etc.

BUSINESS has been none too brisk this week, the general tone being quiet but steady. Offers are now being received of anise (Star) in drums. Bergamot is dull and irregular on spot. Sicilian hand-pressed Lemon meets with very little business on spot. Singapore patchouli is easier on spot. Japanese peppermint is steady. Australian sandalwood is easier.

ALMOND.—Business on small scale: English-made, cwt. lots, 2s. 3d.; smaller parcels, up to 2s. 7d. per lb.; foreign, cwt. lots, 2s. 2d.; smaller parcels, up to 2s. 6d. per lb. French, bitter, 6s. 3d. per lb.

ANISE (STAR).—Spot supplies continue very short and held firmly at the prices quoted. Several shipment offers of drums at 2s. 1½d. to 2s. 2d. have been received, but buyers are not willing to pay anything like this figure; orders sent out based on 1s. 10d., c.i.f., for drums were ignored: spot, leads, 2s. 7d.; tins, 2s. 6½d.; drums, 2s. 6d. per lb., ex store, nominal; shipment, drums, 2s. 1½d. to 2s. 2d. per lb., c.i.f.

BAY.—A quiet market, quoted unchanged: 49 to 50 per cent., 4s. 7d. to 4s. 9d.; 59 to 60 per cent., 4s. 10d. to 5s. per lb., as to quantity.

BERGAMOT.—Business on spot seems to have continued very quiet, and holders' ideas of values are even more irregular this week, with spot sellers from about 9s. to 10s. per lb., as to brand, quantity and seller. The latest information from the source is that the Consortium is not yet operating in any way but that exports have been stopped.

BOIS DE ROSE.—Business has been of small importance: spot, Brazilian, 5s. to 5s. 4d., as to quantity; shipment dull and quoted at about 4s. 10d. per lb., c.i.f.

CAJUPUT.—Market remains flat: B.P., 1s. 9d. to 2s. 1d. per lb., as to quantity.

CANANGA.—Occasional small spot business, with dealers quoting 10s. to 10s. 4d.; shipment, about 9s. per lb., c.i.f.

CARAWAY.—A limited business is reported at keen prices: Dutch rectified, 9s. 1d. to 9s. 3d.; crude, 8s. 8d. to 8s. 10d. per lb., landed and duty paid.

CASSIA.—There is little interest in shipment offers at about 2s. 8d. to 2s. 9d., c.i.f. Good quality oil on spot is steady at 3s. 4d. per lb.

CEDARWOOD.—Business is very modest, prices steady: American, in drums, 1s. 1½d.; smaller packings, 1s. 4½d.; African, in drums, 1s. 1½d.; smaller packings, up to 1s. 4d. per lb.

CINNAMON LEAF.—Not much business, market firm: Ceylon oil, spot, drums, steady at 2s. 9d.; smaller packings up to 3s. per lb.; shipment, 2s. 7d., c.i.f., drums.

**CITRONELLA.**—The Java oil remains slack and quoted unchanged. Following still lower shipment prices, Ceylon oil is now steadier at the recovery and some business is reported: Ceylon, spot, drums, 1s.; smaller parcels, up to 1s. 3d.; shipment, drums, 8½d.; per lb., c.i.f. Java, spot, 1s. 2d. to 1s. 2½d.; smaller parcels, 1s. 3d. to 1s. 6d.; shipment, drums, about 1s. per lb., c.i.f.

**CLOVE.**—Some Madagascar oil in drums now available on spot, market steady: Madagascar, spot, drums, 3s. 1½d.; smaller packings, up to 3s. 6d. per lb.; shipment, 2s. 7d. per lb., c.i.f.

**EUCALYPTUS.**—This market continues firm and the source reports no Australian oil available for prompt shipment: Australian, 70 to 75 per cent., 1s. 1½d. to 1s. 2d.; 80 to 85 per cent., 1s. 2½d. to 1s. 3d. per lb., landed; higher prices for small lots on spot. Spanish, 70 to 75 per cent., 1s. 3d. per lb., ex store.

**GERANIUM.**—Market is dull on spot and shipment offers of Bourbon are rather easy: Bourbon, 21s. to 22s.; shipment, 19s. 9d., c.i.f. Algerian, spot, 21s. to 22s.; shipment, about 20s. per lb., c.i.f.

**GINGERGRASS.**—Occasional small spot inquiry and quoted at about 5s. to 5s. 1½d.; shipment, about 4s. 6d. per lb., c.i.f.

**GRAPE-FRUIT.**—Moderate seasonal inquiry, with dealers quoting Empire hand-pressed oil at about 16s. to 16s. 6d. per lb.

**HO (SHIU).**—Average business, with values unchanged: spot, from 1s. 7d. to 2s. 1½d. per lb., as to quality and quantity.

**JUNIPER BERRY.**—Not much business here: good quality oil quoted at about 2s. 10d. to 3s. per lb., as to quantity.

**LAVENDER.**—Business very quiet, quoted values vary as to quality of oil: 50 to 52 per cent., 29s. 6d.; 48 to 50 per cent., 27s.; 40 to 42 per cent., 22s.; 38 to 40 per cent., about 20s.; 36 to 38 per cent., 18s. per lb., landed, for good brands. Lavandin is quoted 11s. to 12s. 6d. per lb.

**LEMON.**—Business in Sicilian hand-pressed oil has again been negligible on spot, with holders' quotations ranging from about 8s. 3d. to 9s. 3d. per lb., as to brand, quality and seller. Californian oil is quoted unchanged and very little is available, spot or afloat: cold-pressed, 4s. 2d.; distilled, regular quality, small drums, 3s. 4d.; large drums, 3s. 3½d. per lb., spot.

**MANDARIN.**—Acute spot scarcity of good quality oil, with the value firm in the region of 30s. per lb. for small parcels.

**NEROLI.**—Not much business: spot quoted from 14s. to 18s. 6d. per oz., as to quality and quantity.

**ORANGE.**—The Sicilian sweet oil is nominal on spot. There has been a fair inquiry for new crop French Guinea oil, with prices for drums fully steady at 3s. to 3s. 1d. and smaller packing up to 3s. 6d. per lb., the shipment offers being received and well maintained at about 2s. 6d. per lb., c.i.f., for drums. Californian oil steady on spot and selling in modest quantities: one case, 3s. 4½d.; two or more cases, 3s. 2d.; small drums, 3s. 1d. per lb.

**PALMAROSA.**—Distinctly quiet in demand, with some spot offers down to 5s. 7½d. for a quantity and up to 5s. 10½d. for small parcels; shipment, 5s. 9d. per lb., c.i.f.

**PATCHOULI.**—The spot market for Singapore is softer, with offers at 16s. 3d. failing to attract much business. Seychelles oil is nominal at 12s. per lb., with no supplies available here.

**PEPPERMINT.**—A fair consuming business is being done on spot, with prices about steady at 5s. 10½d. to 6s. Japanese shippers are quoting May and June at 6s. to 6s. 2d., c.i.f. There are buyers of near afloat at 5s. 8d., with sellers asking 5s. 9d., c.i.f. A certain amount of covering in January-March position with up to 5s. 9d., c.i.f., paid. The American natural oil is dull on spot and shipment business remains poor. Quoted at about 2 dollars 5 cents for 50 per cent. menthol content and 1 dollar 95 cents for about 46 per cent. menthol, in drums, c.i.f.

**PETITGRAIN.**—Occasional business on spot, with holders asking about 3s. 10d. to 4s. per lb.; shipment is steady at 3s. 5d. per lb., c.i.f.

**ROSEMARY.**—Quotations on spot vary according to quality of oil, with the best steady at 2s. 3d. and inferior qualities down to about 1s. 10d.

**SANDALWOOD.**—Genuine East Indian Mysore, 19s. per lb., in one-case lots on spot; practically no second-hand offerings. English-made East Indian, 22s. 6d. to 25s. per lb., as to quantity. English-made West Indian, cwt. lots, 6s. 9d.; 56 lb., 6s. 10½d.; 14 lb., 7s. per lb. Australian oil has been reduced as follows:—5 cases, 14s. 6d.; one case, 14s. 9d.; 7 lb. tins, 15s. 3d. per lb.

**SASSAFRAS.**—The shipment market is reported firmer: spot offers are steadier at 3s. 7½d. to 3s. 9d. for natural oil. Artificial oil at cheaper figures.

**SPIKE.**—A limited business is reported, with some quoted prices very keen, but genuine Spanish oil of good quality would be worth fully 3s. 7½d. to 3s. 9d. per lb.

**VETIVER.**—Small parcels of Bourbon are quoted steadily on spot at about 38s. per lb.

**WORMSEED.**—Market has remained quiet: U.S.P. quality oil, spot, about 9s.; shipment, 8s. 7½d. per lb., c.i.f.

### Fixed Oils, etc.

SOME products in this section have met with a fair demand, while others have been quiet. Values have been maintained in most instances. Linseed is steadier and a recovery in values of American turpentine is recorded. Palm oils meet with a steady demand.

**ACID OILS.**—Market quiet, quotations steady: coconut and/or palm kernel, nominal; groundnut, 21s.; soya, 17s. spot. **CASTOR.**—Business on small scale, quoted unchanged: pharmaceutical, 44s. 6d.; first pressings, 39s. 6d.; second pressings, 37s. 6d.; (barrels) cases £4 per ton extra, ex mills, Hull, in not less than one-ton lots; Bombay, 32s. 3d. (drums), c.i.f. **COCONUT.**—Fair business, with values keeping steady: deodorised, 32s. 6d. (barrels), spot; Ceylon mill, 23s. 1½d. (drums), c.i.f. **COTTON.**—A rather quiet market but prices are fairly steady: deodorised, 32s. 6d.; common edible, 30s. 6d.; soapmaking, 28s. 3d.; crude, 27s. 9d. (barrels), spot. **GROUNDNUT.**—Market is fully steady as quoted: deodorised, 40s. 9d. (barrels), spot; crude Oriental, 28s. 3d. (drums), c.i.f. **LINSEED (RAW, NAKED).**—Rather quiet but the market is steady: spot, 28s. 9d., naked, for small quantities; May, 26s. 3d.; May-August, 26s. 4½d.; September-December, 26s. 6d. per cwt. Boiled oil, spot, 31s. 6d. per cwt. **OLIVE.**—Prices vary to some extent, as to quality of the oil. Edible, in tins, 7s. to 7s. 6d.; B.P., 5s. to 5s. 3d. per gallon. **PALM.**—There has been a fair amount of business passing, and values are keeping quite steady: Lagos, 18s. 3d., shipment; softs, 18s., shipment; mediums, 18s. 3d., shipment; hards, 19s. 9d., shipment; bleached, 21s., spot. **PALM KERNEL.**—Market has been rather quiet: deodorised, 31s. 6d.; crude, 25s. 6d., spot (barrels). **RAPE.**—Fair business, with the market steady: refined, 38s. 6d.; crude, 37s., spot (barrels). **RESIN.**—Business has remained rather quiet: B, 10s. 6d.; D, 11s. 6d.; F/G, 12s. 6d.; N, 12s. 9d.; W/G, 13s.; W/W, 13s. 3d. per cwt., ex wharf. **SOYA.**—Prices are keeping up well but business has been rather slow: deodorised, 35s. 9d.; crude, 31s. 6d., spot (barrels). **TURPENTINE, AMERICAN.**—At the recovery in values the market is firmer: Total London stocks, 5,372 barrels; on spot, 42s. **WOOD.**—With an acute scarcity of supplies and nothing offering from the source for shipment the spot quotations are sharply dearer at 100s. to 105s. per cwt. for Hankow in barrels.

## Commercial Notes

**IRISH FREE STATE MEDICINAL IMPORTS.**—February landings were £22,036 compared with £21,980 for the corresponding month last year, making for the first two months of the year £43,132 against £45,494. Imports of perfumery, cosmetics, etc., for February were £1,628 against £2,770, making for the two months £3,703 against £5,757.

**U.K. SACCHARIN TRADE, 1935.**—The quantity retained for consumption in the United Kingdom in 1935 was 1,031,599 ounces, compared with the 994,061 ounces of 1934 and 904,087 ounces of 1933. The quantity exported or deposited in warehouse on drawback and free of duty increased between 1934 and 1935 from 1,397,920 ounces to 1,689,393 ounces.

**PERU BALSAM EXPORTS, 1935.**—Salvadoran exports in 1935 were shipped to the following countries:—

Destination	Lb.	Value	Destination	Lb.	Value
United States ...	95,408	\$	France ... ...	6,094	3,152
Germany ... ...	23,841	55,323	Other countries ...	10,332	6,573
Great Britain ...	7,350	18,282	5,186		

Shipments since 1932 were as follows:—1932, 96,136 lb., \$40,676; 1933, 110,794 lb., \$31,500; 1934, 104,691 lb., \$68,570; and 1935, 145,024 lb., \$88,515.

**CURAÇAO ALOES.**—Demand for aloes was brisk during the last three months of 1935. Prices quoted range from \$0.15 to \$0.21 per lb. There was little 1935 stock remaining in Aruba, the centre of production of the Netherland West Indies. Bonaire, where a limited quantity of aloes is grown and harvested, also reported no supplies available. It is said that the estate of a former dealer in aloes holds approximately 2,500 125-lb. cases which may be thrown on the market at any time. Acreage in 1936 will probably greatly exceed that for 1935, much of which was not harvested.

**JAVA CITRONELLA AND CANANGA OILS EXPORTS.**—Shipments of citronella in January, 1936, totalled 180,447 kilos, compared with 175,275 kilos. in January, 1935, and 159,566 kilos. in January, 1934. The chief destinations in the first month's shipments of 1936 were: Holland, 2,286 kilos.; Holland, 9,252 kilos.; United Kingdom, 31,001 kilos.; United Kingdom, 2,522 kilos.; Germany, 18,412 kilos.; France, 27,246 kilos.; France, 8,199 kilos.; U.S.A., Atlantic Coast, 34,285 kilos.; U.S.A., Pacific Coast, 3,072 kilos.; India, 1,558 kilos.; China, 8,168 kilos.; Japan, 28,374 kilos.

Shipments of cananga in January, 1936, totalled 1,083 kilos., compared with 1,256 kilos. in January, 1935, and 1,222 kilos. in January, 1934. The chief destinations in the first month's shipments of 1936 were: Germany, 146 kilos.; U.S.A., 620 kilos.; Japan, 250 kilos.

# Correspondence

Letters should be written on one side of the paper only. Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

## Conference Research List

SIR.—The Research List revised by the Executive Committee of the British Pharmaceutical Conference and published in the reports of the proceedings of the Belfast Conference in the "Quarterly Journal of Pharmacy and Pharmacology" continues to be helpful to members who have facilities for conducting research. The Executive Committee desire to keep this list as complete and useful as possible; and to help them in its annual revision, they invite members who have knowledge of subjects requiring investigation to supply items for inclusion. They are desirous of maintaining a list containing subjects suitable not only for experienced research workers but also problems of a pharmaceutical nature, which would be of interest to the pharmacist in business and which could be investigated in the pharmacy. We shall be obliged, therefore, if any of your readers who have subjects which they consider suitable will send them to us at 17 Bloomsbury Square, London, W.C.1.—Yours, etc.,

C. E. CORFIELD,  
G. R. BOYES,  
Hon. General Secretaries.

London, W.C.1.

## Cut-Price Conundrums

SIR.—Once more you do a real service to retail chemists by your exposure of "Cut Price Conundrums" (*C. & D.*, April 18, p. 459), although I doubt whether chemists have not been seriously affected by these cut-price stores. Close to me are two shops of this type, carried on with the advertised intention of selling chemists' lines at cut prices; these goods include nearly all the usual proprietaries, and in some cases the prices are cut to a halfpenny or a penny less than you quote. Frequent complaints have been made about these shops, and one or two of the worst instances have been brought directly to the notice of the manufacturers concerned, but the supply still goes on. In one instance, and one only, the supply was traced to a retail chemist, and this source was stopped. Therefore it can only be assumed that these traders get the bulk of their stocks direct or through some wholesale distributor. It is obvious that a customer is not going to pay 1s. for a tube of tooth-paste which he can buy in the same street for 9d., and it is only injuring one's goodwill to make window displays of these articles marked with the correct prices for the public to compare them with those of the cut-price stores. With regard to destamped articles and their formulas, it was evident that someone would see the opportunity to put on the market a series of "equally good" products. I noticed recently a window dressed with a complete range of packed remedies, and found it was a barber's shop displaying proprietaries made according to disclosed formulas. It is not only traders who will take advantage of the declaration of formulas, but customers as well when they come to understand it. One man recently brought in an empty container, and as I did not stock the line he said: "It has the formula on the label; make me up a bottle. I expect you can do it as well as they can."—Yours truly,

FORMULITE (21/4).

## Shops (Sunday Trading Restriction) Bill

SIR.—I would heartily suggest the compulsory closing of all shops on Sunday. Why should chemists be exempted? All this talk of service is moonshine. No man opens for service or for medicines only; it is done for profit, and so why exempt chemists? In these days doctors carry nearly everything in stock; and if some special thing was needed, every doctor knows one chemist at least in a town where he could obtain urgent supplies. As one of your correspondents pointed out, company shops, with few exceptions, close. . . . It is generally the small man who opens his doors to sell films, creams, powders and lipsticks, or anything that comes along; from these he obtains his profit, not from the occasional mixture, which if at all difficult he excuses himself from dispensing. . . .—I am, etc.,

SUNDAY CLOSER (21/4).

SIR.—I feel it my duty to write in commendation of the action of the president and secretary of the Pharmaceutical Society in opposing the N.P.U.'s amendment to the Shops (Sunday Trading Restrictions) Bill. Did it not so vitally concern the welfare of some thousands of already overworked and underpaid assistants, the utterance of that worthy gentleman Mr. Wakefield could only be regarded as a mere farce. How many chemists honestly stand—or expect their assistants to stand—in their shops on a lovely summer Sunday and think to themselves: "I'm not here for any filthy lucre; I'm just here 'pro bono publico.' Mrs. Jones may want a sixpenny packet of headache tablets." What other shops employ their assistants for so many hours per week? Why, therefore, should they be denied the proposed half or whole day's holiday in exchange for Sunday? I could show Mr. Wakefield where assistants have to work nine hours every fourth Sunday and get no compensation whatever, despite the fact that their normal working week is one of sixty hours. And bank holidays are non-existent with no compensation for them.

Yours, etc.,  
M.P.S. (20/4).

## Chemists' Friends Scheme

SIR.—When one has been in business for many years and has had the misfortune to be situated in a district where it is been found hopeless to secure any co-operation, it is distinctly heartening to read that there is a town in which chemists visit one another and can pass a friendly joke, as stated in the letter of Mr. F. C. Reynolds (*C. & D.*, April 18, p. 471). I note that in his town only one chemist remains outside the scheme. In my locality, as soon as one chemist gave a display of some well-advertised proprietary not on the Chemists' Friends List, it would immediately be made an excuse for somebody else with a shop near by to say that although he was a supporter of the scheme he was compelled to meet this competition. This sort of thing has actually happened in the past in respect to cut prices and closing hours, so that the failing of one recusant has meant eventually a failure in the whole district. And I feel sure that mine is not the only town where this trouble arises. I would say with Mr. Reynolds that I have found it a sound business proposition to display my own goods; if this is a good policy for the individual it should be far more so if adopted by the trade as a whole.—Yours truly,

LONE HAND (18/4).

## Preliminary Scientific Examination

SIR.—It was interesting to me to note two things in the *C. & D.* of April 11, both having a bearing on the same subject, namely, the Preliminary Scientific examination. First the question asked by Mr. Hirst at a Scarborough meeting, the reply to which was that 50 per cent. of the examiners were not chemists; second the results of the last examination. I have been watching the results of this examination for a long time, and to me they seem most unsatisfactory; perhaps Mr. Hirst has put his finger on the cause. I believe I saw a criticism of this examination in Scotland, and am under the impression it was stated that either the questions set were too difficult or the training was insufficient. Now I cannot for one moment imagine the apprentices of to-day, with all the advantages they have, being less brainy than we were several decades ago, neither can I understand the necessity for so much higher a standard being called for than the business of to-day demands. So I wonder whether the examiners are expecting a different type of reply to the questions set to what chemist examiners would require, and if because the questions are answered as the subjects are taught, pharmaceutically, so many are failed. It looks as though Mr. Hirst is not satisfied and would inquire into this matter; and as he is a candidate for the coming election it might be advantageous to consider voting for him. I do not know him, but I like the way he has tackled this question. Granted that shortly it will be necessary to have a nine months' course of study before sitting for the Preliminary Scientific examination, we have to remember the 325 apprentices who either failed or were referred at the last examination, and there are others. Are the questions set such

as enable a student to do justice to the knowledge he has obtained? Are the teachers engaged in teaching the three subjects chemistry, botany, and physics satisfied that the students they have trained are the duds the results of the examinations would have one believe, or do they consider this examination somewhat unfair? Do we qualified chemists agree that the knowledge of botany and physics expected to-day is necessary? I was not asked a single question in physics, and I have never required a knowledge since I qualified. Botany I did, but again have never required, but the physiology I did myself afterwards has been invaluable. Chemistry has stood me in good stead a great number of times, and it is in my opinion necessary to have a high standard. Have we not a sufficient number of capable chemists willing to act as examiners? I know they would not require the fees paid at present. I cannot help thinking something is very much wrong.—Yours faithfully,

CRITIQUE (21/4).

### Welfare Service Abuses

SIR.—The cases quoted by "Xrayser" (*C. & D.*, April 18, p. 451) of abuses of the welfare service are not isolated ones, as pharmacists in most districts have come across similar instances. But I cannot agree that the supply of welfare foods and other articles by the chemist on production of a chit is really in a satisfactory position, because the profit allowed on these packs is usually only about 10 per cent., whereas the overhead expenses of the average pharmacy work out at quite 20 per cent. The only thing is it does remind these customers that chemists are the recognised distributors of such requisites, and it brings them to one's shop. There is always the possibility that one may make up the 10 per cent. loss by the sale of some toilet product.—Faithfully yours,

WELLFOOD (20/4).

### Tough Meat

SIR.—The pharmaceutical menu this week is composed of tough meat, and tough meat only; which I am afraid is beyond the mental digestive powers of the average pharmacist. I propose to make a few comments and suggestions. The first is on what I may describe as the sweets of the Pharmacy and Poisons Act. The menu of the Act had no hors d'oeuvres, no joint, no pudding—though lumps of padding—no sweets and no coffee. It is hash—and some hash!—and those who have to comply with this foolery are in the soup. That is why soup is not on the menu. Sweets are always near the end of the menu: and, as the end of the Pharmacy and Poisons Act is not yet, I am assuming that the last emanation from the Pharmaceutical Society is considered the sweets. Fellow sufferers should bear in mind that there is a Council election to be held shortly. Let us bear in mind this iniquitous Act, and think for one moment of the body primarily responsible for foisting it upon us. How should we vote? We must avoid voting for a member of the Council on whom that responsibility rests. It is the only way to show these mandarins what we really think. I might suggest avoiding voting for any candidate approved by the present Council. I am suspicious. You've heard of the Chemists' Friends? Well, let us not forget the enemies. The Chemists' Friends scheme is presented for judgment this week. The referendum itself is drafted somewhat ambiguously, and it would have been more enlightening had the N.P.U. Executive indicated how they proposed to act in the event of "Yes," "No" being in the majority in the several sections. No matter, I predict the death of the scheme. In spite of the fact that the Government, in regard to the Pharmacy and Poisons Act, would not insist that everything in the nature of medicine should be prescribed and sold by those competent in knowledge and skill to do so, the N.P.U. rush in on their own to effect what the Government had denied. Also it seems to have been overlooked that average pharmacists, private and corporate, profoundly believe in private enterprise. Very foolish; but they do, notwithstanding the general failure of the practice. So, believing in private enterprise, they are asked to favour a scheme that would limit the private enterprise of others. This "Poisons Act" has vastly strengthened the hands of the general trader, wholesaler, manufacturer and retailer. The term "Chemists' Friends" is a stupid one, for it is logically assumed that those who cannot, by nature of their business, fall in with the scheme are chemists' enemies.

The great majority of lines listed under the scheme are such that they would never be sold by others than chemists, and the great majority of the proprietary articles that we sell are not on the list at all: yet these profit-providers are inferentially considered our enemies. How many chemists in the land have a full range of their own proprietaries? Very few, bar the company chemists, I imagine. We are obviously pleased to sell patents at a (relatively speaking) small profit, otherwise we should pack our own lines. We don't, anyway. The trouble with most of us is that we have been spoon-fed for so many years that we should be ruined if we had to go and forage for ourselves; yet we are asked to consider those who feed us our enemies. In my judgment the Chemists' Friends scheme was badly conceived; the best thing that can happen to it is an early death with neither tears nor wreaths.

Yours, etc.,

GEORGE F. CORRALL.

Enfield Wash.

### Old Remedies

SIR.—It was a surprise to me to find recently that there was still a demand for leeches. I have not seen one for fifty years. They used to come in a small oozy bag which we turned out into the jar, and occasionally I have seen a young one about an inch long. I am afraid they were not a profitable item. I suppose we all have old recipe books. Mine began in the days of my apprenticeship, when I made notes (copied neatly and all the directions in Latin!) of everything I made. It seems to have been all very simple—violet powder, hair oil, baking powder (though fortunes have been made out of this), furniture oils and paste ( $\frac{1}{2}$  oz. chip box for a penny), and pomatums. Mixtures were all of the simple sort, potassium or sodium bicarbonate and infusions. It was a long time before I came to resin, podoph.; and 1885 before bismuth salts came in regularly. Sodium salicylate appeared about the same time. I seem to have made plenty of mist, copaibæ co. and cubeb paste. One item in my book is a puzzle—I have no idea where it came from: "Dutch drops—equal parts of turpentine, tinct. guaiaci, spt. aether, nit., ol. succini and caryoph. A few drops on a lump of sugar is said to be good for gravel, megrims, giddiness, etc." This is of course far from the real Dutch Drops. In my young days we bought this from Dutch sailors. The use of this for cuts induced me to suggest it for haemorrhage following tooth extraction. My suggestion, which followed an article on haemorrhage in a dental journal, was favourably received.

Yours, etc.,

EMERITUS (26/2).

### Subscribers' Symposium

For interchange of opinion among "C. & D." readers and brief notes on business and practical topics.

#### Liquor Ruber

Referring to your reply to "T. B. C." (*C. & D.*, March 7, p. 292), solution of bordeaux B in hard water (containing calcium and magnesium bicarbonate) does gelatinise. Liq. ruber added to solutions of calcium chloride,  $Mg Cl_2$  or  $Mg So_4$  gives gelatinous precipitates. Lime water is not hard water. A liq. ruber made by dissolving 25 grains of amaranth in a pint of double strength aq. chlorof. made with a hard water over three years ago is still perfect and does not give precipitates with the above solutions.—W. F. (11/3).

#### Shops (Sunday Trading Restriction) Bill

With regard to the N.P.U. circular "U.L. 334" on the Shops (Sunday Trading Restriction) Bill, do chemists open on Sunday simply to render a "service," even when it is not a business proposition? I doubt it. Perhaps I have not been fortunate enough to meet the chemist whose sole object is to "serve." As an assistant I have for the past three years had to take Sunday duty morning and evening (three hours) practically every Sunday except during my annual holiday. I have just looked up the prescription-book, to find I have dispensed on Sundays exactly five prescriptions in three years—this in a high-class dispensing business. Chemists, like other traders, open for profit, and therefore should be treated as "other traders." It is up to every assistant to write to his local M.P. asking him to vote against the reinstatement of the amendment.—Assistant (8/4).

## Poisons Queries

*H. P.* (16/4).—Stryphon or methylaminoacetopyrocatechin hydrochloride is not listed as a poison.

*J. H. B.* (21/4).—Tincture of iodine is not a poison within the meaning of the Pharmacy and Poisons Act, 1933.

*B. P. L.* (20/4).—In our opinion the suggested page for your poisons book does not comply with official requirements, particularly as there is no column for the "signed order." The form of entry as required by Rule 32 is set out in the Twelfth Schedule and p. 3 of the cover of the *C. & D.* Poisons Guide.

*W. J. M.* (20/4).—Acetanilide is a Part I unscheduled poison, therefore the sales of headache powders containing it are confined to chemists. If you decide to retain the acetanilide in your proprietary, it will be necessary to print on a separate label or within a frame, the name and proportion of the poison, your name and address, and the words, "Caution. It is dangerous to exceed the stated dose."

*J. C.* (18/4).—A wholesaler who wishes to continue to supply poisons by retail can do so by registering part of his premises as that of an authorised seller of poisons. Such business must be under the personal control of a registered pharmacist and the other requirements of Section 8 (pharmacist owner) or Section 9 (body corporate) of the Pharmacy and Poisons Act, 1933, must be complied with (including exhibition of certificate of registered pharmacist in actual control of the retail sales of poisons).

*D. L. W.* (18/48).—Benzamine or 4-benzyloxy-2:2:6-trimethylpiperidine is marked "Not Listed" in the *C. & D.* Extended List of Poisons because (i) it is not specified by name in the Poisons List, (ii) included therein in any group of local anaesthetics. The opinion that it is a First Schedule poison is presumably based upon its being an amino-alcohol esterified with benzoic acid. This is incorrect, because piperidine is an heterocyclic compound with the characteristics of a secondary amine. Piperidine has no residue or radicle corresponding to an amino-alcohol (which is ordinarily an open chain or aliphatic compound).

*A. M.* (17/48).—Histamine, or 4-β-aminomethylglyoxaline, is included in the *C. & D.* Extended List of Poisons as a First Schedule (S.1) poison on the ground that it is an alkaloid of ergot. This substance, though a base of comparatively simple constitution conforms to the original application of the term "alkaloid" to a naturally occurring alkali-like substance possessing physiological activity. The later attempts to provide a more systematic meaning to the term subdivide alkaloids into derivatives of pyrrole, pyridine, etc., and such "alkaloidal nuclei" include glyoxaline (which is also characteristic of pilocarpine). Finally histamine has an entry to itself in Henry's "Plant Alkaloid's" under ergot alkaloids (2nd Edition, p. 386) under its chemical name of 4-β-aminomethylglyoxaline.

*B. C. S.* (7/3).—A co-operative society carrying on a business under the management of a superintendent whose name has been duly forwarded to the registrar of the Pharmaceutical Society is entitled by Section 9 of the Pharmacy and Poisons Act to carry on business as an authorised seller of poisons so long as any business relating to the retail sale of drugs (i.e., any branches with a drug department) are under the personal control of a registered pharmacist. The registration of premises which is compulsory under Section 12 of the Act relates to all such premises where business as an authorised seller is being carried on. This is defined again by the limitation of "so far as it comprises the retail sale of drugs," which makes it possible to register the drug department only (i.e., that part of the premises, leaving the remainder of the premises unregistered in respect of the sale of Part I poisons). A co-operative society is a person not entitled to sell Part I poisons in connexion with such business as is not carried on as an authorised seller of poisons, and hence is entitled under Section 21 (1) to apply to be entered in the local authority's list to sell Part II poisons in other departments than the drug departments registered as above (wherein the right to retail Part II poisons is conceded under Section 18 (1) (b) (i) of the Act).

## Dispensing Notes

### Deposit Caused by Bottle

SIR.—The formula below is for eye lotion, which after being bottled, throws down flocculent deposit:—

Zinc. sulph.	...	...	...	gr. vj.
Sol. ac. boric. (1 in 32)	...	...	...	3ijj.
Aq. rosæ conc. (1 in 40)	...	...	...	5vj.

Can you tell us how to rectify this?—Yours faithfully,  
T. T. L. (10/2).

[Assuming all the ingredients are pure, the cause is due to the action of boric acid on glass, with liberation of an equivalent amount of silicic acid. In bad cases the glass is noticeably corroded. We would suggest making a test of the glass for alkalinity. Amber glass would be fairly safe from this defect.]

### An Egg Emulsion

SIR.—Is it possible to make a satisfactory emulsion from the following:—

Tinct. of capsicum	...	...	...	20 oz.
Turpentine	...	...	...	20 oz.
Camphor	...	...	...	8 oz.
Vinegar	...	...	...	80 oz.

Eggs are not satisfactory.—Yours faithfully,  
W. H. S. (21/48).

[The use of eggs is the only satisfactory method. Proceed as follows: Rub down egg in a mortar with about 1 oz. of vinegar. Strain into bottle and add rest of vinegar. Dissolve the camphor in the tincture of capsicum and mix with turpentine. Add this to vinegar and egg in the bottle and shake for five minutes. A good emulsion results and on standing thickens considerably. One egg is sufficient for half a pint of liniment.]

### Nebula Adrenalinæ et Ephedrinæ

SIR.—About two or three hours after making a bottle of Neb. Adrenal. et Ephed. B.P.C. it turned yellow and by the following morning it was a distinct bright pink colour. I should be obliged if you could tell me if this should be so.

Yours truly,  
J. N. (22/2).

[Ephedrine produces colorations even in oily solutions. In an aqueous solution, and in presence of adrenalin pink solutions may easily be produced. In this case the liquor adrenalin, is diluted eight times, thus upsetting the acid-balance of stability. It is an accepted practice in some hospitals to add from  $\frac{1}{2}$  to 1 minim extra hydrochloric acid to each ounce of dilution to overcome this. Another matter which has to be borne in mind is the slight alkalinity of the glass, also, in this case, the possibility of the cinnamon water containing traces of magnesia or other alkali.]

### Solubility of Ephedrine

SIR.—On making up the following:—

Ephedrine	...	...	...	...	0.75
Camphor	...	...	...	...	0.5
Menthol...	...	...	...	...	0.5
Eucalyptol	...	...	...	...	0.5
Liquid paraffin	...	...	...	to	100

the preparation goes cloudy on warming. Assuming this is due to moisture in the ephedrine, how can it be overcome?

Yours etc.,  
W. J. F. (4/2).

[The cloudiness is not necessarily due to moisture in the ephedrine. By experiments with a solution of ephedrine in warmed chloroform and then making up to 100 c.c. with cold liquid paraffin, it was found that ephedrine is not soluble to any appreciable extent in liquid paraffin, contrary to the statement in the B.P.C. that it is soluble 1 in 100. The mixture looked quite clear, but at the bottom of the flask it was found that the ephedrine had been thrown out in crystals. On warming and shaking the crystals melted (m.p. about 35° C.) and became diffused through the liquid paraffin. On cooling the diffused ephedrine comes out as a cloud. In liquid paraffin B.P. it comes out, not as a cloud, but in quite definite particles or crystals.]

## Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

*F. E. (20/48).*—TINCT. NUCIS. VOM.—There is no difference in strength between the 1914 and the 1932 preparations so far as strychnine content is concerned, but the alcoholic content of the 1932 is less than that of the 1914.

*H. L. (6/48).*—COUGH MIXTURE.—The formula for which you ask is as follows:—

Cough Mixture for Adults					
Aromatic sulphuric acid	...	...	2 dr.		
Oxymel of squill	...	...	4 dr.		
Spirit of nitrous ether	...	...	3 dr.		
Syrup of poppies	...	...	4 dr.		
Compound tincture of camphor	...	...	3 dr.		

*J. H. W. (20/4).*—LAXATIVE SEEDS.—The seeds are those of French psyllium (*Plantago Psyllium, Linn.*). This plant is a native of the Mediterranean coast, and the seeds are exported largely for medicinal purposes. When placed in water the seeds become enveloped with transparent mucilage, which is odourless and tasteless, and is used as a laxative and demulcent in Europe and America.

*H. L. (6/45).*—ELIXIR OF GENTIAN.—The following formula appears in "Pharmaceutical Formulas," p. 123:—

Elixir Gentianae Glycerinatum N.F. V.					
Fluid extract of gentian	...	...	10 c.c.		
Fluid extract of taraxacum	...	...	15 c.c.		
Acetic ether	...	...	0.5 c.c.		
Phosphoric acid	...	...	5 c.c.		
Tincture of sweet orange peel	...	...	15 c.c.		
Compound tincture of cardamom	...	...	60 c.c.		
Glycerin	...	...	400 c.c.		
Sugar	...	...	200 gm.		
Syrup of raspberry	...	...	60 c.c.		
Alcohol	...	...	100 c.c.		
Distilled water	...	...	to 1,000 c.c.		

*D. & F. (20/48).*—PINE DISINFECTANT.—The following formula gives a reddish-brown thick liquid and produces a milk-white emulsion on being mixed with water: Pine extract 10 parts, resin 4 parts, are heated together in a capacious vessel until the resin is dissolved. The mixture is then cooled to 80° C., and sodium hydroxide solution, 1: 4.2 parts, is added with vigorous stirring and heating for at least 10 minutes. Sufficient water is then added to make the weight to 16. It is then quickly cooled. The pine extract used is the product of the distillation of waste pine wood.

*S. A. J. (14/48).*—BRUSHLESS SHAVING CREAM.—The creams are essentially vanishing creams, modified to make them of use for shaving. The essential raw materials are stearic acid, potassium hydroxide, or potassium carbonate, glycerin, and water. Mineral oil, such as is used in cold cream manufacture or of heavier type, is commonly added. Sulphonated higher fatty alcohols constitute another useful addition, since they soften the hair and increase the wetting qualities of the cream. Sometimes the potash is replaced by triethanolamine. This permits the introduction of more oil into the cream, and increases the emulsifying property of the water added. The following is a representative formula:—

Spermaceti	...	...	...	...	5.0
Borax	...	...	...	...	3.0
Stearic acid	...	...	...	...	20.0
Glycerin	...	...	...	...	20.0
Distilled water	...	...	...	...	80.0
Hard soap	...	...	...	...	10.0
Caustic soda (20 per cent.)	...	...	...	...	2.0

The method of preparation is to liquefy the solids over a water bath, add the soda solution, and stir in after it has been removed from the source of heat. Other formulas are:—(i) Stearic acid, 12; mineral oil, 7; caustic potash lye, 36° Be., 6; glycerin, 12; water, 250; perfume, 1½. Five per cent. of sulphonated higher fatty alcohol (corresponding to stearic acid) in powder may be added. (ii) Stearic acid, 26; coconut oil, 5½; water, 110; caustic potash lye as above, 7½; borax, ¾; glycerin, 12; carbitol, 12; boric acid, 4; perfume, ¾. (iii) Stearic acid, 19½; mineral oil, 2½; glycerin, 4½; triethanolamine, ½; water, 90; perfume, ¾. All parts are by weight. A suitable perfume should be added.

*B. R. M. (9/48).*—CLEANSING POWDER.—Modern soap powders usually consist of dry soap, 9 to 30 per cent., sodium carbonate, 25 to 50 per cent., moisture, 25 to 50 per cent., and traces, say 1 per cent., of borax. Representative formulas are:—

Borax Soap Powder					
Soap	...	...	...	...	10 parts
Soda	...	...	...	...	6 parts
Sodium silicate	...	...	...	...	4 parts
Borax	...	...	...	...	1 part

Chemical Soap Powder					
Soap	...	...	...	...	100 parts
Soda	...	...	...	...	100 parts
Borax	...	...	...	...	100 parts
Eucalyptus oil	...	...	...	...	1 part

*P. G. B. (6/84).*—SNUFF PERFUME.—The perfume in your sample of snuff seems to be tonka bean, which may have been introduced in either of the following ways: (1) a small amount of powdered bean incorporated in the snuff; (2) a whole bean "steeped" in the snuff a certain period.

*J. A. (20/48).*—VALUE OF BUSINESS.—Take the values of stock and fixtures and add something for the lease or position which may have a peculiar value. Then comes the purchasing value of the true net profits. It can only be said to vary from two to three years; occasionally with an old-established business the period is higher. The period depends on how long the business has been established and whether it is progressive or not.

*S. S. P. (20/48).*—ACRIFLAVINE AND PARAFFIN.—Since acriflavine is insoluble in liquid paraffin, it can only be dispensed in the form of a suspension. This may be effected by dissolving the acriflavine in the smallest possible amount of water and then mixing this solution with a small amount of anhydrous wool fat. Two formulas for emulsion of acriflavine are as follows:—

I					
Acriflavine	...	...	...	...	gr. 7/16
Distilled water	...	...	...	...	fl. 3
Wool fat	...	...	...	...	gr. 10
Liquid paraffin	...	...	...	...	oz. 1

II					
Acriflavine	...	...	...	...	gr. 8/16
White beeswax	...	...	...	...	gr. 360
Distilled water	...	...	...	...	oz. 5
Liquid paraffin	...	...	...	...	oz. 15

Melt the beeswax in the liquid paraffin and add with constant stirring a warm solution of acriflavine in the distilled water.

## Retrospect of Fifty Years Ago

Reprinted from  
"The Chemist and Druggist," April 24, 1886

### Analysis of 10,000 Prescriptions

To all who have interested themselves in this matter we record our best thanks. We received fully 13,000 prescriptions, and from these we selected, as explained on another page, 10,000. . . . Mixtures, as might be expected, constitute 60 per cent. of the whole; this proportion was almost uniform throughout, the great bulk of returns showing figures between 55 and 65; a few fell as low as 40 per cent., and some went as high as 80, but these were evidently exceptional cases. Following mixtures come powders with a percentage of 11. In this class the differences were very marked. . . . We find that the following are the six medicines most frequently prescribed: *Spiritus chloroformi*, 853 times; *Potassii bromidum*, 717 times; *Vinum ipecacuanhae*, 696 times; *Spiritus ammoniae aromaticus*, 566 times; *Quininæ sulphas*, 563 times; *Sodii bicarbonas*, 555 times. . . . The following is the list of the second six most frequently prescribed: *Ammonii carbonas*, 551 times; *Liquor ammonii acetatis*, 548 times; *Glycerinum*, 545 times; *Syrupus aurantii*, 536 times; *Potassii bicarbonas*, 447 times; *Spiritus æthers nitrosi*, 413 times.

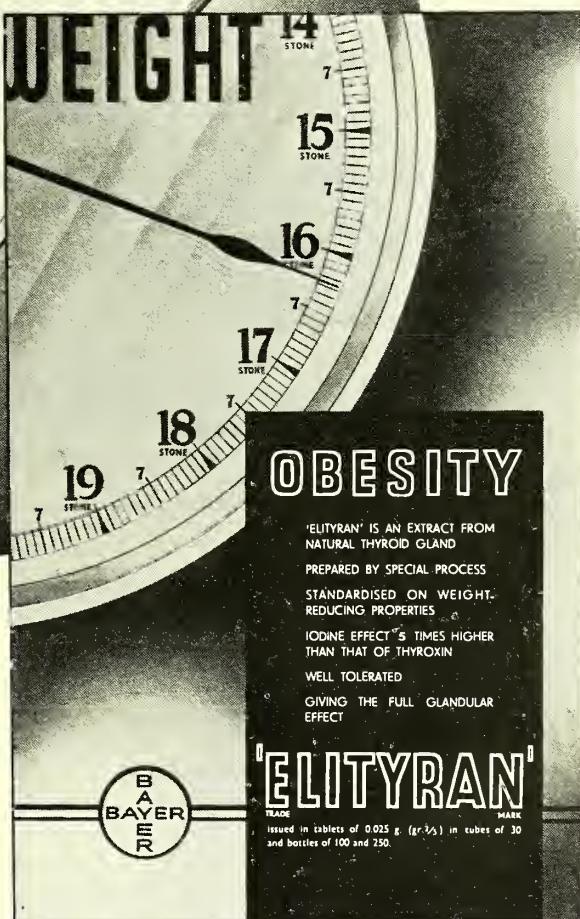
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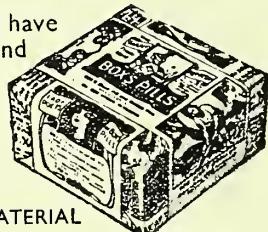
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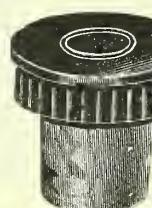
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" " "	5/-	46/8
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*To Protect Our Proprietary Rights*

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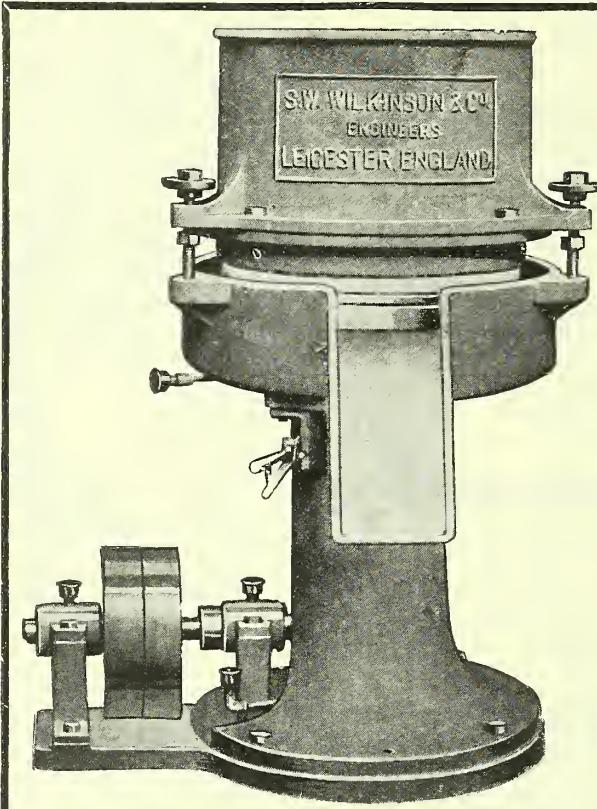
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THIS Machine is a combined Mixer and Grinder and is used very successfully in the production of all kinds of Ointments, Tooth Pastes, Beauty Creams, Patent Foods, etc.

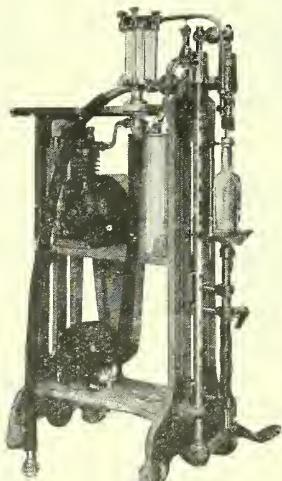
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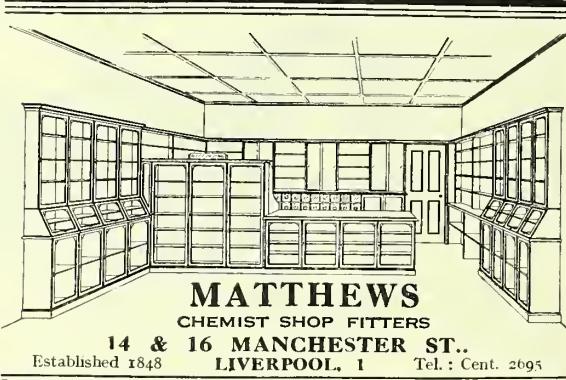
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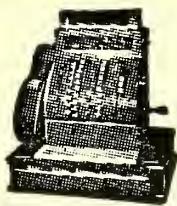
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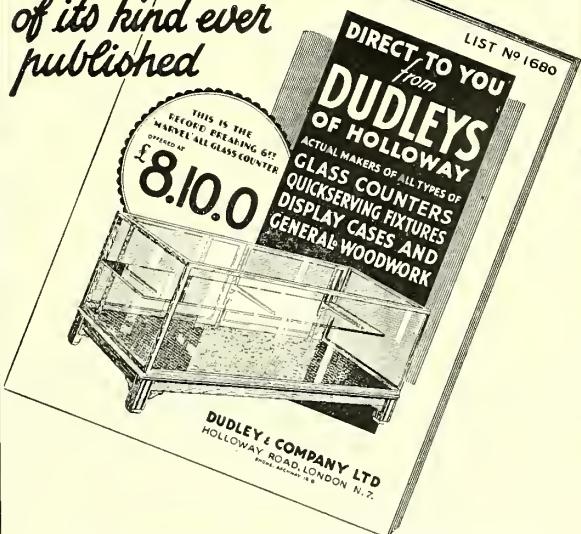
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# The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

APRIL 25,  
1936.

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2.—SURREY.—Middle-class Business for sale, owing to Vendor having bought a larger concern; net profit approaches £400 per annum; good living accommodation; held on lease at very reasonable rent; price all-at £950.

3.—LONDON, S.E.—Old-established neglected Business with Post Office; net profit approaches £400 per annum; main-road shop with living accommodation; rent £46; long lease; price £600.

4.—LONDON, E.—General Retail Business in residential district; established many years; returns between £1,350 and £1,400 per annum; for sale, owing to ill-health; attractive shop; flat over if required; price about £750.

5.—TOTTENHAM (NEAR).—General Retail Business; returns between £25 and £28 weekly, plus Panel; net profit about £8 per week; main-road shop with living accommodation over; price £450 for lease, goodwill and fixtures, plus stock at valuation.

6.—SOUTH LONDON.—High-class Retail and Dispensing Business; returns last year £3,200, current year shows an increase; attractive pharmacy, occupying excellent position; stock worth about £750; price required for goodwill, £500.

7.—STOCKWELL (NEAR).—Middle-class Business with N.H.I.; old-established; net profit about £330; stock and fixtures estimated to be worth £650; rent, rates and water, £68 per annum; Vendors are anxious to sell, and will accept the first reasonable offer.

8.—EDGWARE.—General Retail Business with very small Panel connection; returns exceed £1,000 per annum, increasing; stock and fixtures worth approximately £520; fully fitted sight-testing room; rent £85; long lease; price for quick sale, £500 all-at.

9.—HAMPTON COURT (NEAR).—General Retail and Dispensing Business with Panel connection; attractive shop in main road; returns last year £1,565; accountants' figures; large house; reasonable rent; long lease; price to be arranged; ill-health cause of sale.

10.—SURREY.—Middle-class Family Retail Business; returns between £1,200 and £1,300 per annum with net profit about £350; six-roomed house with bathroom, etc.; new 14 years' lease at £70 per annum; price about £800 or valuation terms entertained; ill-health cause of sale.

11.—KENT.—Unopposed Village Business within easy reach of the sea, very old established and offering scope for increase; returns last year £1,195 with gross profit £450; rent £78, sub-let £50; price required for business, £950; property may be purchased for £800.

12.—PORTSMOUTH.—Good Middle-class Business; increasing turnover, 1935 approached £1,400; net profit £340; attractive shop with flat over; rent £100 inclusive of rates; price £850 all-at.

13.—HOME COUNTY.—Old-established Middle-class Business; returns last year approached £1,450; main road position; good living accommodation with garden; new 21-year lease at £90 per annum; price £500 all-at.

14.—CARDIFF (NEAR).—Good-class Family Retail Business; returns last year £2,056, with net profit nearly £500; five-roomed house with bathroom; garage and small garden; large conservatory; rent £100 less 11s. 6d. weekly; held on renewable lease; price £1,150 or £350 for lease and goodwill, plus stock and fixtures at valuation.

15.—BEDFORDSHIRE.—Old-established Medium-class Business in main road; large shop; average takings £20 per week under management; two flats, one sub-let at 11s. weekly; rent £60; held on lease; valuation terms entertained.

16.—SOUTH DEVON.—Cash Drug Store offering scope for increase in the hands of a qualified man; present returns between £1,100 and £1,200 per annum; gross profit one-third; double-fronted shop; main-road position; stock and fixtures worth about £500; price £650 all-at; net rent £50 per annum; property may be purchased if required.

17.—DORSET.—Cash Retail Business with property for sale; returns between £1,000 and £1,200 per annum; gross profit £400 and net profit £250 to £300; good living accommodation with garden and private entrance; price required for business, £450; freehold, £1,250, a substantial part of which could be raised on mortgage; thickly populated district.

18.—NORTHANTS (BORDERS OF).—Old-established Chemists' Business; returns under management, £1,500 per annum; main-road position; up to date fittings; stock worth about £500; living accommodation over; further details on application.

19.—CHESHIRE.—Branch Business with Sub-Post Office; capital required to purchase about £800, £350 to £400 of which could be raised on the property.

20.—BRISTOL.—Neglected Business capable of increase; established many years; returns, 1935, £788 under management; large shop with living accommodation; freehold may be purchased for £750 or lease w/ be granted at £78 per annum; price required for business about £350.

## Chemists' Transfers, Valuations for Sale, Stocktaking & Probate

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Correspondence, mutually confidential, is invited from prospective purchasers of the following businesses at present available for purchase.

(C1) HAMMERSMITH (NEAR).—Good-class business showing steady and consistent increase; present returns approximately £2,000 per annum; lock-up shop; low rental; excellent scope; price approximately £1,100.

(C2) GLAMORGAN.—Up-to-date Pharmacy with steadily increasing turnover; returns for 1935 financial year, £2,154; net profit, £409; rent £78 on long lease, including good living accommodation, or property could be purchased; excellent future potentialities; price all-at £1,000.

(C3) MESSRS. ASCOTTS PHARMACIES (1933) LIMITED are desirous of disposing of branches situated at 166 High Street, Merton; 58 Boston Road, Hanwell; 31 High Street, Sutton; 80 Church Road, Acton; 119 High Road, East Finchley, and 436 Katherine Road, Forest Gate. These businesses are all within the means of chemists with limited capital, and can be purchased at very low figures; the rents have also been reduced as much as possible, in order to conform with the respective turn-over, whilst each branch offers scope for reasonable increase under personal proprietorship; further details upon application.

(C4) SOUTH DEVON (POPULAR SEASIDE RESORT).—Drug store; returns at present average £1,100 per annum, but these figures represent no criterion of possibilities, particularly under qualified ownership; audited accounts; property can be purchased on long lease will be granted at moderate rental; extensive living accommodation, at present producing an income of approximately £2 per week; price asked, £650.

(C5) BOURNEMOUTH (NEAR).—Unopposed Pharmacy, with up-to-date self-contained flat; turnover upwards of £1,000 per annum; business and freehold can be purchased at a very reasonable figure; populous area to draw upon, which is rapidly extending; further particulars upon application.

(C6) HOLLOWAY (NEAR).—Working-class business (lock-up) which during the past two years has shown a steady increase, and this is being well maintained; turnover now at the rate of approximately £17 per week; good N.H.I.; low rental; audited figures; price £360 all-at, or near offer.

(C7) VICTORIA (NEAR).—Old-established family business offering good scope for further development over the present returns, which for the last financial year amounted to £1,516; rent £95; lock-up shop; owner will accept sacrifice figure of £750, including stock and fixtures £600, as he has purchased another business, and wishes to sell as quickly as possible.

(C8) HARROW.—Old-established Pharmacy for disposal owing to retirement; present returns upwards of £1,100 per annum, with opportunities for substantial increase under personal proprietorship (is at present under management); rent £75; living accommodation with

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2.—GLAMORGAN.—Sound Progressive Business; in large town; returns £2,154, net profit over £400; good living accommodation; on lease, or freehold can be purchased; owner leaving trade; price £1,000; genuine bargain.

3.—KENT COAST.—Light Cash Retail, with Photo; showing steady increase; returns last year £993; modern premises; good stock; price £500 or offer.

4.—GLOUCS.—Sound Light Cash Retail; returning over £900, increasing; modern fitted shop, with house attached; rent £40; long lease; stock worth £250; price £400, books audited.

5.—BOURNEMOUTH.—Old-established Business, with own Proprietaries; returns last year £950, under indifferent management; scope for increase; net profit £272; stock and fixtures worth £450; price £485.

6.—SUSSEX COAST.—Recently-established Business, in growing district; present returns £10 weekly, will do double in season; modern shop with house, every convenience; lease granted or will sell property; price £350 or first reasonable offer.

7.—LEIGH-ON-SEA.—Well-established Business; has been neglected; returns under manager £17-20 weekly; plenty of scope; attractive shop, with good house; price £400 or valuation.

8.—LONDON, S.W. (few miles out).—Good-class Family Retail, in growing district; return £30 weekly under manager, scope for increase; modern well-fitted shop; good stock; price £875 or offer.

9.—WEST MIDDLESEX.—Sound unopposed Business; in rapidly growing district; returns under manager £15 to £20 weekly; opening for Optics; low rent; genuine reasons for selling; price £500.

10.—EDGWARE.—Good Middle-class Business in rapidly growing district; returns over £20 weekly; plenty of scope, especially for Chemist-Optician; modern pharmacy, with every convenience; rent £85; long lease; price £500; no goodwill.

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three bedrooms, bathroom, etc.; no near opposition; price £550 including stock £450 (stock could be reduced if necessary).

(C9) BEDFORDSHIRE.—Drug store, situated in country village, with an estimated population of 3,000 to draw upon; no near opposition; average returns approximately £20 per week; excellent scope for increase under qualified ownership; lock-up shop, with very low rental; price all-at £475, or reasonable offer.

(C10) BRISTOL (NEAR).—Old-established high-class dispensing business, with excellent scope for further increase; present returns, under management, upwards of £2,000 per annum; reasonable rental; living accommodation; price £1,300 all-at.

(C11) DORSET.—Attractive modern pharmacy, entirely unopposed, occupying prominent corner position; extensive window frontage; recently established, in consequence of which the returns are low, being at the rate of approximately £850 per annum; lock-up shop; but flat above might be available if required; inclusive rental £85 per annum; exceptionally good proposition for enterprise chemist with personality; price all-at £550; the turnover in this case definitely represents no criterion of future possibilities.

(C12) HARROW (NEAR).—Recently established business, with exceptionally good future potentialities; attractive modern Pharmacy, with flat above; present returns £16/£18 per week, but these figures represent no criterion of possibilities; value of stock and fixtures only (approximately £550) accepted; genuine reason for selling.

(C13) READING.—Recently established Pharmacy, with up-to-date self-contained flat, including three bedrooms, bathroom, large garden, etc.; steadily increasing turnover, now at the rate of approximately £1,150 per annum; freehold also available; extensive future possibilities; further details upon application.

(C14) DERBYSHERE (RETIREMENT VACANCY).—Drug store with good living accommodation, including all modern conveniences; present returns approximately £1,300 per annum; accountants' figures; in present hands 30 years; moderate rental; excellent scope, particularly under qualified proprietorship; price approximately £800 all-at.

(C15) CROYDON.—Established middle-class business, with good living accommodation, including garage and garden; returns for last financial year, £1,201; net profit £300; rent £80; premises situated in main shopping road of congenial residential area; price asked, £825 or near offer.

(C16) SUTTON (SURREY).—Easily conducted family business with up-to-date house attached; turnover well capable of increase if fully exploited; returns for last year, £1,456; gross profit, £543; net profit about £375; no near opposition; price all-at £950, including stock and fixtures estimated at £750.

## MISCELLANEOUS.

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CHEMISTS' FITTINGS.—New and Second-hand Drug Runs, Dispensing Screens, Glass-fronted Counters, Perfumery Cases, Nests of Drawers, Wall Cases, Silent Salesmen, Upright and Flat Counter Cases, Plate-glass Counters, Cash Tills, Display Stands and Glass Shelves, etc., at competitive prices. F. MAUND & E. BERG (SHOWCASES), LTD., Shopfitters and Shop Front Builders, 175/9 Old Street, London, E.C.1.

FOR SALE.—Double-fronted Chemist's Shop-front, bronze surrounding and Mahogany Door, complete with window enclosures and Plate-glass Shelves; only used for demonstration in showrooms; total frontage, including door, 17 ft. 3 in., height 10 ft.; no reasonable offer refused. Reply Box 510, L.P.E., 110 St. Martin's Lane, W.C.2.

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**L**ONDON Suburb.—Small Drug Stores; established 5 years; under management, owner other interests; busy main road; 15 years' twofold lease; low rent; scope for experienced person; peak week takings £25; price for stock, lease, fixtures, etc., £165. 214/10, Office of this Paper.

**L**ONDON, S.W.—Corner position; in good well-populated district; large N.H.I. confection; lately neglected, now under qualified management; Kodak agency; house attached; long lease available; property may be acquired if desired. Details from S. F. Clark, Chemists' Transfer Agent, 34 Marksbury Avenue, Richmond, Surrey.

**M**ANCHESTER.—Old-established Family Business, on main road, a prosperous suburb; turnover last year under management, £1,700; capable of great improvement under personal supervision; ill-health sole reason for disposing; long lease; living accommodation. For further particulars apply 212/15, Office of this Paper.

**M**ERSEYSIDE DISTRICT.—Established over 70 years; takings average about £1,200 p.a.; rauel about 8,000 to 10,000 scps p.a.; average profit for last 3 years, gross £625 p.a., net £574 p.a.; auditors' figures; house and shop rent £75; new lease; price £850. 213/3, Office of this Paper.

**N**EAR DONCASTER.—Drug Store; rent £100; lease or sale; stock at valuation; double front; good house and warehouse; main street; Wine Licence; large business can be done; owner retiring; last year £1,240. 213/46, Office of this Paper.

**S**OUTH WALES.—Town Business, with extensive country connection; corner shop; net profit last year over £350; stock (can be reduced) and fixtures approx. £700; low rent and rates (subject pays rates); low price for quick sale; freehold property can be purchased if desired; reason for disposal: owner buying larger business. 212/23, Office of this Paper.

**C**HEMIST'S Business for Sale.—Single-fronted, large Shop in main shopping thoroughfare residential district near Liverpool; property may be purchased; stock and fixtures approximately £250; good living accommodation; rights of good Proprietary Preparation will be included; business has been established nearly 50 years. Further particulars apply The Association of Manufacturing Chemists, Ltd., 2 Bixteth Street, Liverpool, 3.

**D**ISPENSING and Family Business; established 40 years; returns last year £850, capable of increase; low yearly rental; good living accommodation; situation: S. Manchester district, 3 miles from City; price round about £1,000. 279/127, Office of this Paper.

**D**RUG STORE and mixed Business, established over 100 years, lately unqualified, in large Lincolnshire village, owing to ill-health; large, convenient double-fronted, lock-up shop, with small warehouse; ingoings small; stock and fixtures at valuation. 211/4, Office of this Paper.

**G**RADING Working-class Business; nicely fitted and stocked; with or without 5-roomed house; best corner of main cross-roads; Kodak and Sels; close to big Panel practices; bus and tram stop on front; nearest opposition  $\frac{1}{2}$  mile; rent very low; no rates; turnover under management approximately £700; bargain price £250 all at. L. J. Eades, 99 Castle Road, Tipton, Staffs.

**O**LD-ESTABLISHED Family Business; Cheshire; in good residential neighbourhood; valuable corner site of over 1,000 sq. yds., freehold; good house, yard and garden; profitable business, with all rights in Proprietary Preparations covered by trade mark; principally telephone and postal connection. Apply, with particulars, 213/25, Office of this Paper.

**R**ETAIL Chemist's Business, Ilford, with living accommodation at present let off; populous neighbourhood; lease 10 years; £100 p.a.; stock approx. £450; fullest investigation; no agents. Write Box G565, Willings, 86 Strand, W.C.2.

**£100 OR NEAR OFFER.**—Drug and Herbal Store; lock-up; lease 11 years; busy neighbourhood; London, S.W.; bargain. 212/10, Office of this Paper.

## PREMISES FOR SALE.

**A**N Excellent Opportunity for Chemist.—Centre of thickly populated district of Enfield, Parade of 8 shops, with living accommodation, in heart of town planned estate comprising nearly two thousand houses restricted to 8 shops only; nearest shopping centre half-mile from Parade; 4 already disposed of. Apply Goodchild, 4 Silver Street, Enfield. 3562.

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**H**ILLINGDON.—On the main London Road; remaining shop available in a block of five; wonderful opening for a Chemist; established district, still developing; modern front already installed; good living accommodation; low commencing rental of £110 p.a. Apply Hillier, Parker, May & Rowden, 27 Maddox Street, W.1. Telephone: Mayfair 7666.

**S**IDCUP.—Station Road, corner of Longlands Road; really excellent position; suitable for a Chemist; living accommodation; £150 p.a. rising. Apply Oakleigh, Oaks Road, Croydon.

**A** FIRST-CLASS Opportunity to open a shop in busy market town near London; over 300,000 population, and still growing. To progressive firm or individual I will fit modern shop front and give first year rent free. Rodney, 125 Queens Road, Finsbury Park, N.4.

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**H**IGH-CLASS Shops to Let in new parade in best part of High Road, Streatham, from £140-£500 per annum. Apply Letting Manager, 17 Streatham High Road, 'phone Streatham 9627, or Bell Investment Trust, Ltd., 115 Park Street, Mayfair, W.1. 'phone Mayfair 4201.

**L**AST Available Shop in Parade.—Suitable for Chemist, Shop with flat over; commencing rent £125 p.a.; ex. shop front fitted for approved tenant; fast-growing district. Apply Johnston Evans, F.A.I., 12 Mandeville Road, Northolt, Southall 2552.

**N**EW Shop in excellent and improving position, one minute from Kingston Market on main road; no other Chemist in district; nominal rent of £125; only one left. G. Thomas & Son, Ltd., 43 High Street, Kingston-on-Thames. Telephone: 3610.

**T**O MULTIPLE FIRMS AND OTHERS.—Reigate; Market Square; excellent Business Premises to Let; expensive shop front fitted; showrooms and living accommodation over. Watkin & Watkin, Reigate.

## PREMISES WANTED.

**A**DVERTISER requires premises in West End or good suburb suitable for Chemist, or would consider the purchase of established business with certified turnover. Write "J. P." Box 70, Curtis Advertising, Ltd., 14 Regent Street, W.1.

## AGENCIES.

**W**ANTED AGENCY for Midlands, thoroughly reliable lines only; would carry stock and distribute if required; very central; interview arranged. 207/12, Office of this Paper.

## FINANCIAL.

**M**ANUFACTURING Chemists, established 25 years in London, require additional capital for development of well-established lines selling in England, Scotland and Ireland; will consider amalgamation with another firm, partnership, or will sell outright; scope for large increase of business. 212/8, Office of this Paper.

## BUSINESS OPPORTUNITIES.

**A**DVERTISER would be interested to purchase trade marks and all rights in Established Proprietary Medicine. Particulars, which will be treated in confidence, should be addressed to D. McMillan & Mott, 14 King William Street, London, E.C.4.

**T**O Manufacturing Chemists.—Well-known Continental Cosmetic Manufacturer wishes to arrange for sale of rights in this country of Hormone Cosmetic Preparations; products have proved an astonishing success and show good profits. Full details may be obtained on application to P.C.B. 202/20, Office of this Paper.

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## COUNTY BOROUGH OF PRESTON.

**WANTED** Qualified Dispenser at the Sharoe Green Hospital, Fulwood, Preston, Lancs. Full time. Non-resident. Salary £192 10s.—£12 10s.—£217 10s. per annum. Applications endorsed "Dispenser," stating age, qualifications and experience, accompanied by copies of two recent testimonials, to be forwarded by first post on Friday, April 24, 1936, to the Town Clerk, Preston.

WITWATERSRAND TECHNICAL COLLEGE,  
JOHANNESBURG.

**A**PPICATIONS are invited for the post of LECTURER IN PHARMACY in the Department of Chemistry. Salary scale: £500-£25-£600. The appointment is a full-time one, and includes both day and evening work as may be required. The possession of a Pharmaceutical qualification is essential, and a degree and teaching and practical experience will be a recommendation. The successful applicant will be required to join the Provident Fund of the Union Department of Education.

Applications, giving full particulars of training and experience, must be submitted on or before the 16th May, 1936, to Messrs. Frank Ross and Company, 9 Fenchurch Avenue, London, E.C.3, from whom Conditions of Service and application forms may be obtained.

## SITUATIONS OPEN.

## RETAIL (HOME).

**B**IRMINGHAM.—Qualified Assistant; no Sunday or Bank Holiday duty. Apply, stating salary required, and previous experience and when disengaged, to Izon, High Street, Aston, Birmingham, 6.

**B**RADFORD.—Post open for smart Qualified Lady Chemist; Dispensing, Toilets, Window-dressing; recently Qualified would be suitable, if willing to be useful. Write T. A. Bonell, Ltd., Central Drug Stores, Laisterdyke, Bradford.

## BRISTOL DISPENSARY.

**W**ANTED.—Assistant Dispenser, to commence duties June 1st; must hold M.P.S. Degree. For particulars apply—

Secretary, H. MERRETT STOCK,  
47 St. Nicholas Street,  
BRISTOL.

**E**AST ESSEX.—Unqualified Junior required; must be quick and accurate Dispenser; apply with full particulars and salary required; applications unanswered in 7 days respectfully declined. 213/42, Office of this Paper.

**E**XETER.—Qualified Locum required for 8 weeks from June 15 (or 22); lady not objected to. References and all other information to 214/30, Office of this Paper.

**H**AMPSHIRE.—Qualified Lady for middle-class Pharmacy. Fullest particulars of experience, references and salary required in first letter to 214/2, Office of this Paper.

**H**OVE.—Qualified Male Assistant required for Dispensing Business. Apply, stating wage required and full details of past experience, etc., to Hockin and Cashmore, 111 Blatchington Road, Hove. Applications not answered in 7 days respectfully declined.

**K**ENT COAST.—Qualified Lady Assistant to manage small side branch for summer season; must be used to Photographic business. Apply, stating age, experience and when disengaged, to S. G. Court, Ltd., Chemists, Birchington.

**L**IVERPOOL.—Qualified Man (over 25), City business, required immediately. Full particulars by letter to 59 Mount Road, Birkenhead.

**L**ONDON.—Qualified Lady, locum; capable; experienced at Dispensing and Counter; able to take charge; state experience, salary required and when at liberty. 214/23, Office of this Paper.

**L**ONDON, E.—Qualified Assistant for N.H.I. Dispensing and middle-class trade. Apply, stating experience, names of references, age, when disengaged, and salary required, 213/11, Office of this Paper.

**L**ONDON, N.—Wanted, capable Qualified man (about 30) for Branch Manager of medium-class Retail. Apply, giving age, height, salary and photo if possible (to be returned), 214/25, Office of this Paper.

**L**ONDON (near City).—Qualified Assistant (either sex); Dispensing and General Routine; state particulars and salary (moderate). Also Assistant (Qualified or Unqualified); part time or evenings only; letters unanswered in 6 days respectfully declined. Write "Chemists," 705 Leabridge Road, E.10.

**L**ONDON, NORTH.—Young, energetic Qualified Assistant, with cheerful and obliging personality, for Counter Dispensing, N.H.I. and Photography. State salary required and full particulars to 214/26, Office of this Paper.

**L**ONDON, N.W.—Wanted, Unqualified Lady Assistant, with good Dispensing experience and accustomed to introducing and sealing the better-class Toilet Preparations; please give full details of experience in first instance; state age and salary required. Frank Wreford, Ltd., 14 Neasden Parade, Neasden, N.W.10.

**L**ONDON, S.W.—Qualified Gentlemanly Assistant (about 25) for high-class Pharmacy; good Dispensing and Counter experience essential. Apply, giving full particulars, to 213/55, Office of this Paper.

**L**ONDON, S.W.—Young Qualified Lady Assistant, willing to do Booking. Also Unqualified Man (about 24). Both must be well trained in Dispensing, quick and willing workers, and have good all-round experience in good-class business; send photo (if possible) and full particulars as to age, salary, height, etc. 213/35, Office of this Paper.

**L**ONDON, W.C.—Young Qualified Assistant, with fair experience, required for good medium business; good hours; essentials: quick, reliable, willing. Send full particulars, salary, etc., to 213/16, Office of this Paper.

**M**ANCHESTER.—Manager, Qualified; permanency; capable of taking entire charge and increasing business; good Counter-man essential; please state full particulars of experience and salary wanted and when disengaged; applicants not answered in 7 days respectfully declined. 213/36, Office of this Paper.

**M**ANCHESTER.—Qualified Assistant (25 to 30) required; must be capable of taking charge when necessary; Dispensing, Counter and Stock. Apply, stating full particulars of experience and salary required, to 212/150, Office of this Paper.

**N.E.** DURHAM.—Qualified Manager required for small branch, colliery district; quick, accurate Dispenser, with good Counter experience; state age and full particulars, salary required; applicants not answered in 3 days respectfully declined. 212/5, Office of this Paper.

**N**EWCASTLE-ON-TYNE.—Permanency, young Qualified Assistant for high-class business; knowledge of modern ethical Pharmaceuticals and high-class Photographic Apparatus essential. Send details in first letter, with copies of testimonials and recent photograph, to Managing Director, Mawson & Proctor, Ltd., 55 Grainger Street, Newcastle-on-Tyne.

**N**ORTH LONDON.—Qualified Assistant, lady or gent., required. Please state full particulars in first communication to "Chemist," 1 South Street, Islington, N.

## SEVERALS MENTAL HOSPITAL, COLCHESTER.

**W**ANTED for Holiday Duty from August 21 to September 5 inclusive, Fully Qualified Dispenser; wages four guineas per week.

Apply by letter to the Medical Superintendent.

**S**URREY.—Young Qualified Assistant wanted immediately; good-class Dispensing Business; outdoors. Full particulars of experience, salary and photo if possible to 213/44, Office of this Paper.

**T**HE South-West Lancashire and Cheshire Joint (Prescriptions) Committee require the services of a Superintendent. The person appointed must be a Pharmacist under 40 years of age and will act as technical adviser and, under the direction of the Secretary, supervise the staff and the pricing of prescriptions and undertake the administrative duties connected therewith, including the preparation of accounts and statistics. Commencing salary £300 per annum. Applications must be received not later than Thursday, 7th May, on forms to be obtained from W. Gill Hodgson, O.B.E., Secretary to the Committee, 36, Princes Road, Liverpool, 8. Canvassing will disqualify.

**A** QUALIFIED Assistant (not more than 25), male, single; must have good country experience. Apply in writing, giving full particulars and recent photograph, to P. Rhosser Roberts, Ltd., Poplar Walk Pharmacy, West Croydon. All applications not replied to within 10 days respectfully declined.

**A**PPICATIONS are invited for post of Qualified Assistant (either sex); applicants should be accustomed to high-class business; six months' engagement (permanency possible); send testimonials, photograph, salary required, when free for engagement. Raymond Smith, 2 Cliff Road, Newquay.

**A**SSISTANT (about 25), single, for middle-class trade, with N.H.I.; must be quick and accurate Dispenser and good Window-dresser; sound references essential. Apply, stating salary required and usual particulars, to R. Seldon, 115 Turnpike Lane, Hornsey, N.8.

**A**SSISTANT, Lady, Qualified or Unqualified; good all-round worker. Full particulars, age, wages, etc., to Smiths Chemists (Grays), Ltd., Tudor House, Sockets Heath, Grays, Essex.

**A**SSISTANT, Qualified, Lady or Gentleman; good Window-dresser; tactful and impressive Sales hand, with persuasancy, as the business is practically all our own proprietaries; financial interest may be acquired and the capital used for advertising purposes, but not essential; pleasant occupation; please state age and salary required. "London," 214/22, Office of this Paper.

**C**HEMIST'S ASSISTANT.—Young Man (22-25), Unqualified, wanted; Dispensing and Counter; good references essential. Apply James H. Wilson, Ltd., The Broadway, Crouch End, N.8.

**D**ISPENSER.—A fully Qualified Lady Dispenser (25-30) required. Apply by letter only, stating age, experience and salary required, to the Staff Manager, A. W. Gamage, Ltd., Holborn, E.C.1.

**E**NERGETIC Junior Assistant required for Up-to-date Pharmacy in small market town; good Salesman and Window-dresser, accurate Dispenser; no D. & P., but Photographic experience an advantage; please state age, experience, salary required, when free, and references. Fairfax Farnley, Ltd., Manor Square, Otley, Yorkshire.

**L**ADY and Gentleman Qualified Chemists required; must be good Counter hands and have good knowledge of Photographic dealing; salary £4 4s. to £4 10s., according to experience. Full particulars in first letter to Hudsons, Chemists and Kodak Specialists, Skegness.

**L**ADY Assistant required (25-30) for good-class Dispensing and Retail business; one with knowledge of Typewriting preferred; please give particulars of age, height, experience, salary required; indoors. S. J. Coley, Ltd., High Street, Stroud, Glos.

**L**ADY Assistant (under 35), Unqualified, required to take charge of branch London, N.E.; good knowledge of Photography, Window-dressing and Counter work necessary; no Dispensing; state age, height, salary required; references as to honesty and ability essential. 212/16, Office of this Paper.

**L**ADY Assistant (young), Unqualified, required; good references as to character necessary; comfortable berth for anyone taking interest in business. Fullest particulars first letter, Owen, Chemist, Boscombe East.

**L**OCUM.—London, W.C.1; May 17 for fortnight; must be Qualified, accustomed to N.H.I. and reliable. Write Eckington, 75 Hornsey Rise, N.19, or 'phone Terminus 3949.

**L**OCUMS Required.—(1) Qualified male, May 18-23, also from July 20-August 1; (2) Unqualified girl (knowledge of high-class Toilets essential), June 22-July 11. Write, stating salary required, etc., with photograph, to L. Hudson Banks, 94 High Street, Ruislip, Middlesex.

**M**ANAGER, Qualified Chemist-Optician, for new branch; living accommodation if required; permanent, progressive post for worker with ability and personality. Fullest particulars, salary required, age, etc., Leonard Baker, M.P.S., 2 Scholes Lane, Prestwich, Manchester.

**M**ANAGER wanted for suburban business; must be young and energetic; good prospects for right man. Wembley Pharmacy Ltd., 2 Devon Parade, High Road, Wembley. Wembley 2027.

**Q**UALIFIED Assistant (about 28 to 35); able to take charge; state wage, etc.; London, East. 213/51, Office of this Paper.

**Q**UALIFIED Assistant for Counter and Dispensing, with knowledge of Photography; wanted third week in May; commencing salary £4 weekly, good middle-class business. Apply by letter to H. A. Green, 182 Upper Richmond Road, East Sheen, S.W.14.

**Q**UALIFIED Assistant (male) required on May 4; Counter and quick N.H.I. Dispenser essential, Window-dresser; apply personally or by letter; applications not answered within 5 days declined with thanks. O. Tobin, Ltd., 49 Harford Street, Mile End, E.1.

**Q**UALIFIED Assistant required for N.W. London; other Assistants kept. Please give full particulars of experience, age and salary required and when at liberty, P.C.B. 202/17, Office of this Paper.

**Q**UALIFIED Assistant (young) required about the middle of May. Apply, stating age, salary required and usual particulars, to J. S. Snell, Ltd., Chemists, Accrington.

**Q**UALIFIED Junior Assistant required in South-East London; also Qualified Locum for two months from June 15th; state full particulars of experience and salary required. Briggs, Cash Chemists Ltd., 126 Hoe Street, Walthamstow.

**Q**UALIFIED Lady Assistant wanted; mid-May; experienced Dispensing, Counter, Windows, Photography, Book-keeping; give full particulars and salary by letter only. Allen Jones, Gt. Crosby, Liverpool.

**Q**UALIFIED Man for permanency in busy shop near City; good Salesmanship essential, and must have first-class references; salary and commission; no country applications. Full particulars to P.C.B. 202/14, Office of this Paper.

**Q**UALIFIED Man required; good references; comfortable position. Apply in person, Wilson, 256 King Street, Hammersmith.

**Q**UALIFIED Manager or Assistant for light Retail and Dispensing in pleasant London suburb (southern); short hours; must be a good Counterman; state age and salary expected. 212/1, Office of this Paper.

**Q**UALIFIED Manager required for branch; quick and accurate Dispenser, clean N.H.I.; must be good Counterman and Window-dresser. Also required shortly, Qualified Junior Assistant; opportunity to acquire experience. Apply with usual particulars, Morgans, Chemists, Bedford.

**Q**UALIFIED Manager; young; S.W. London branch; in busy market centre; store trained; good Window-dresser; undeniable references; salary plus commission. Also Unqualified Junior. Apply 53 East Hill, Wandsworth.

**Q**UALIFIED Pharmacist (M.P.S.) required for branch shop. Apply, giving age, experience, references and wages required, and stating when at liberty, to Brightside & Carbrook Co-operative Society, Ltd., City Stores, Exchange Street, Sheffield, 1.

**R**EQUIRED IMMEDIATELY.—Reliable Qualified Man; courteous to customers; energetic, good Salesman. Write, stating age, salary required and usual particulars, to Trimming & Co., Ltd., 49 High Street, Alton, Hants.

**T**EMPORARY Assistant required for month or more; lady preferred; accustomed to good-class Dispensing and Retail. Apply with fullest particulars regarding experience, age, salary required, to Tilley, Droitwich Spa. If unanswered in four days respectfully declined.

**U**NQUALIFIED Assistant (male) required for brisk Counter trade in City business. State full particulars of age, height, experience and salary required, also whether disengaged, to Mr. S. G. Tydeman, 5 Nelson Street, Bristol.

**U**NQUALIFIED Assistant required; must be smart, excellent Window-dresser quick Dispenser and accustomed to brisk Counter trade. Write, stating age, height, experience, wage required (photo if possible), to H. M. Lyons, 109 Princess Road, Moss Side, Manchester, 14.

**U**NQUALIFIED Male Assistant (about 22-25); suitability for good-class business essential; permanency and prospects for good man; state age, height, education, experience, salary required and when available for interview and when for employment; enclose photograph. Bayley's, Chemists, Frinton-on-Sea.

**W**ANTED.—A competent and experienced Senior Assistant for a Good-class Dispensing and Retail Business, with Optics and Photography; Optical qualification essential (Registered J.C.Q.O.); Pharmacy qualification preferred, but not essential; must be a good Salesman, courteous in manner and thoroughly competent and trustworthy; preference given to one desiring a permanent and progressive appointment. Kindly state full particulars of former experience, age, height, married or single, salary required, and enclose recent photograph (returnable), to D. T. Evans, Ltd., Chemists and Opticians, Margate.

**W**ANTED.—A Part-time Dispenser, male or female, for Doctor's house in Hounslow, Middlesex; 5-8, five days a week, and one hour by arrangement Wednesday. Reply, giving experience, references and salary required, to 213/22, Office of this Paper.

**W**ANTED.—A Qualified single Assistant for country business; permanency for suitable person. Particulars, stating age, salary required and references, to 212/22, Office of this Paper.

**W**ANTED at once, or as soon as possible, Young Qualified Man; take charge small branch; references, age, salary, etc.; permanency. Apply Dickinson's, Chemists, Newland Street, Kettering.

**W**ANTED by Medical Partnership in South Coast town, Qualified Dispenser and Book-keeper; outdoor. Write, giving age, experience and salary, and give references, 279/123, Office of this Paper.

**W**ANTED immediately, Unqualified Junior for holiday period; state age, terms, references. Cox, Chemist, Wealdstone, Harrow.

**W**ANTED.—Qualified for small shop in Brighton; permanent; beginning May 4th. Give full particulars 279/122, Office of this Paper.

**W**ANTED.—Unqualified Gentleman or Lady Assistant of good appearance; must be an accurate and quick Dispenser, good Counterman and Window-dresser; thoroughly honest and trustworthy. Apply, stating wages required, giving references, 214/14, Office of this Paper.

**W**ANTED, young, energetic (single) Manager for small branch; all-round man; season hours. 214/18, Office of this Paper.

**W**ANTED.—Young Qualified Man to manage recently opened shop in S.E. London; previous experience not essential. Apply 283 Walworth Road, S.E.17.

**Y**OUNG Lady Assistant required May 11th; up-to-date Window-dresser and good Counter-hand essential; one with knowledge of Photography preferred; full particulars of experience, salary required and photograph. Breckon, Chemist, Irby, Wirral, Cheshire.

**Y**OUNG Qualified M.P.S., assistance required immediately for Dispensing and Counter. The Prosser Roberts Co., Pharmaceutical Chemists, 85/87 Lambeth Walk, S.E.

## WHOLESALE.

**MIDLANDS.**—Representative wanted for well-known Proprietary line sold only by Chemists; salary and commission; applicants must state experience, age, and possess car. Replies to 279/126, Office of this Paper.

**A**VACANCY occurs in the laboratory of a Northern Wholesale Drug House for Analytical Assistant; must be conversant with Manufacturing methods and experienced in analysis. Apply Wilkinson & Simpson, Ltd., Low Friar Street, Newcastle-on-Tyne, 1.

**E**XPERIENCED Representative required by established Manufacturers for London, North, North-West, and South-West postal districts; good connection to hand over; applicants should give full particulars of past experience, stating if any connection on the territory named, also whether car available. 278/118, Office of this Paper.

**E**XPERIENCED Traveller wanted for London; Drugs and Packed Goods; give full details of experience and salary required. 279/125, Office of this Paper.

**L**ADY Bookkeeper-Typist, with experience of Toilet Preparations, required by Manufacturing firm, Central London district; progressive position. Please address full particulars, P.C.B. 202/21, Office of this Paper.

**L**ADY with good knowledge of Pharmacy, Drugs, Chemicals and Pharmaceutical Preparations required for Clerical work by a London (City) firm; applicants will kindly apply in own handwriting, stating age and giving full details of experience. Apply "S," 279/121, Office of this Paper.

**L**EMON-BARLEY Water and Fruit Squashes.—Representative required by old-established Manufacturers, having sound connection with Wholesale and Retail Chemists in the Midlands, North Wales, and Eastern Counties. 279/128, Office of this Paper.

**M**ALT AND OIL PRODUCTS.—Well-known Manufacturers require Representatives; all areas; splendid commission; reply, stating age, area covered, fullest particulars; only first-class men with live connections need apply. 278/120, Office of this Paper.

**R**EPRESENTATIVE required for British Agents of well-known Essence Manufacturers; thorough knowledge and good clientele essential; satisfactory commission basis only. Write with copy references, 213/15, Office of this Paper.

**R**EPRESENTATIVE to call upon Hospitals, Medical Men, and Dentists in the South and South-Western Counties; applicants should give full particulars of their past experience, stating age, and whether car available. Reply, in first instance, to 278/119, Office of this Paper.

**R**EPRESENTATIVES wanted for North London, Midlands, South-West Counties and Scotland, to carry old-established Proprietary line; Chemists and Stores; liberal commission basis. 212/12, Office of this Paper.

**S**ALES Progressive Supervisor wanted; personal knowledge of all Britain, Advertising Department, large British Manufacturer; experienced selling to mixed Grocers; age under 30 (no others need apply). State age, wage, experience and references to 210/5, Office of this Paper.

**W**ELL-KNOWN Company of Manufacturing Chemists staff:—

- 1.—Representative for Midlands, North Wales, etc.
- 2.—Representative for Scotland and Northumberland.

These are not easy jobs, but adequate salary, commission and expenses are offered to first-class men who can sell. Write, giving age, particulars of career and remuneration expected, 279/129, Office of this Paper.

Our staff are aware of this announcement.

**Y**OUNG Lady, Qualified preferred (or Unqualified, with experience), required immediately for Wholesale; work includes Testing and Superintendence of High-class Cosmetics. 279/124, Office of this Paper.

## SITUATIONS WANTED.

## RETAIL (HOME).

**A**—QUALIFIED (23); disengaged shortly; good-class Dispensing and Photographic experience; London preferred; interview arranged. 211/7, Office of this Paper.

**A**N Unqualified Assistant; tall, of good appearance and address, West-End experience, desires situation. P.C.B. 202/9, Office of this Paper.

**A**N Unqualified Assistant; 20 years' experience, 14 London; excellent references; 7 years last; energetic, with extensive, all-round knowledge; good business ability and initiative. Tyson, 43 Gayville Road, S.W.11.

**A**S Locum or Temporary Assistant; 40 years' London and Provincial experience; engaged July, otherwise free. "Chemist," 42 Alexandra Road, Southampton.

**A**S Manager or locum; good, all-round experience; excellent references. I. L. Davies, M.P.S., 164 Clapham Road, S.W.9. Telephone: Reliance 2741.

**A**SSISTANT Dispenser (Lady) seeks post; Hall qualification; experienced; good worker; Brighton or near. 8 Prestonville Road, Brighton, 1.

**A**SSISTANT; experienced Dispenser, Salesman; 30 years' experience; single, active, Unqualified. "Statim," 38 Felcote Avenue, Ravensknowle Road, Moldgreen, Huddersfield.

**A**SSISTANT, Unqualified; permanent, or Manchester relief; disengaged. 70 Parrin Lane, Merton, Eccles, Lancs.

**A**SSISTANT; West-End experience; disengaged April 20th; Counter and Dispensing; good reference; locum or permanent; London only. Write to M. G. Birch, 4 Melrose Gardens, Hammersmith, W.6.

**A**SSISTANT (25), Scot, Unqualified; recent West End; all-round experience; expert Photography; free; London. Steven, 32 Raul Road, Peckham, S.E.

**C**HEMIST (under 50), bachelor, business sold, desires berth; small remuneration. Write "Pharmacist," 32 Belmont Road, West Green, London, N.15.

**C**HEMIST, young, ambitious, desires position with City firm; 10 years' experience in every branch of Pharmacy; excellent references; capable of taking charge. Chemist, 67 Guildford Street, London, W.C.1.

**D**ISPENSER, Unqualified (23), desires post in Hospital, Doctor's Surgery, Warehouse or Manufacturing Chemists; excellent references; disengaged; London preferred. 213/40, Office of this Paper.

**E**VENINGS.—Qualified experienced man; free five evenings weekly; London only. "F.S.M.C." 252 Barry Road, S.E.22.

**E**XPERIENCED Locum; trustworthy, reliable man who knows his job. P.C.B. 201/31, Office of this Paper.

**E**XPERIENCED Qualified locum; elderly, active; moderate terms; free for May. Tenax, c/o Fensome, Chapel Road, Ravensden, near Bedford.

**J**UNIOR Assistant (19) seeks post; 4½ years' all-round experience; moderate salary; excellent references. Toomey, 41 Whateley Road, Penge, S.E.

**J**UNIOR Assistant (22), Unqualified; experienced; Photography; excellent testimonials; hard worker; terms moderate. 213/14, Office of this Paper.

**J**UNIOR (22), Irish, Part I Finalist, desires position; good appearance; experienced; hard worker; conscientious; quick, accurate Dispenser; Counter Display; good Salesman; excellent testimonials; terms moderate. Apply 213/201, Office of this Paper.

**L**ADY Dispenser, Hall, Matri., desires post Doctor, Chemist, Hospital, assist books; disengaged. Miss Palmer, Glencairn, Ramsey, Huntingdon.

**L**ADY Dispenser (Hall) seeks post, Chemist or Doctor; general experience; capable; trustworthy; good references; state salary; South preferred. 214/31, Office of this Paper.

**L**ADY Dispenser seeks post with Doctor; Hall certificate; disengaged; experienced; 35s.; London preferred. 2 Campbell Court, Wootton Gardens, Bournemouth.

**L**ADY Pharmacist requires locum work; free May 18th; five years' good, wide, general experience. "Chemist," 220 Portsdown Road, W.9.

**L**OCUM, male (26), Qualified, now booking Relief Work, May to October inclusive, London and suburbs only; recommended by leading drug house. Chemist, 33 Cheffield Road, Ealing, W.5.

**L**OCUM or permanency; extensive experience in all branches; disengaged. F. Ham, 10 Disraeli Road, Putney, S.W.15.

**L**OCUM or Relief; thoroughly competent; reliable; excellent references; reasonable terms; disengaged. Locum, 56 Rudloe Road, Clapham Park, S.W.12.

**L**OCUM.—Ph.C.; long good experience; reliable, energetic; Dispenser; disengaged; references; booking forward. Anthony, 58 North Street, Swindon, Wilts.

**M**ANAGER seeks permanent post in good-class Pharmacy; married (36); good West End and suburban experience; free in May. 214/11, Office of this Paper.

**M**ANCHESTER (preferably within 25 miles of).—Qualified, active, middle-aged Chemist, just closed down own business, would like to book engagements as holiday locum; personal interview suggested; terms moderate. H., Chemist, 50 Barker's Lane, Ashton-on-Mersey, Manchester.

**M.P.S.** DESIRES post, Locum or Manager; excellent references; experienced all branches; registered N.P.U.; free now. Pharmacist, 11 Stamford Avenue, Brighton.

**M.P.S.**, DESIRING residence South Coast, family reasons, seeks appointment as Manager or Superintendent; long experience; reliable; moderate salary; West Sussex district preferred. 214/17, Office of this Paper.

**M.P.S.**, SINGLE (23), desires post in London or suburbs; West End and suburban experience. 213/6, Office of this Paper.

**M.P.S.** (24) requires change; capable of taking charge; good experience and references; free one month from appointment. 213/52, Office of this Paper.

**Q**UALIFIED, experienced all branches, desires permanency; would undertake Relief; disengaged May 20. 213/21, Office of this Paper.

**Q**UALIFIED, experienced, trustworthy, good references, abstainer, middle-aged, single, desires genuine Management small business; 70s. 207/18, Office of this Paper.

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**Q**UALIFIED (Lady), requires Management or Assistantship; City or Romford area; good experience; appointment month from date of engagement. P.C.B. 202/15, Office of this Paper.

**Q**UALIFIED (29), at present managing, desires change; varied London and Provincial experience; South-Western Counties preferred. 213/50, Office of this Paper.

**Q**UALIFIED (25) desires post as Manager or Assistant in position of responsibility; good-class Retail and Dispensing experience; free immediately; South or South-West preferred. Westlake, 82 Queen's Road, Newbury.

**Q**UALIFIED (27), Male; 10 years' experience Retail and Hospital, D. & P. Counter; used to heavy Dispensing; free on one week's notice. A. Smith, 25 Cheadle Avenue, Salford, 7.

**R**EFERRED Pharmaceutical Chemistry, Assistant (24), tall, good all-round experience, excellent references, disengaged, requires situation for summer months, or permanent; Southern County preferred. 214/35, Office of this Paper.

**S**COT (22), Unqualified; experienced Dispensing, Counter and Window-dressing; England preferred, not essential. 214/8, Office of this Paper.

**S**COT (27), Unqualified; single; experienced Dispensing, Counter and Photography; capable taking charge; good references. 213/54, Office of this Paper.

**U**NQUALIFIED (bachelor); over 30 years' experience; used to sole control; good Prescriber Family trade; tall; well educated; good address and competent; trustworthy; any capacity allied to Pharmacy (or Locum); anywhere; moderate remuneration; kindly state particulars in reply, and oblige. 213/28, Office of this Paper.

**U**NQUALIFIED, desires post Dispensing and Counter; 20 years' experience; married; South Coast or country near. Jones, c/o 20 Crediton Road, Kensal Rise, N.W.10.

**U**NQUALIFIED Junior (23), 5 ft. 10 in., Irish, desires position; experienced Dispensing, Counter Displaying; good appearance; excellent testimonials; conscientious; hard worker; terms moderate. Apply 213/2, Office of this Paper.

**U**NQUALIFIED (24), good experience City and Provinces, excellent references, Dispensing and Salesmanship, seeks position in West End, City or South-East London. 214/12, Office of this Paper.

**U**NQUALIFIED (38) Salesman, with 16 years' excellent Dispensing and Photographic experience, seeks engagement, anywhere. Write P.C.B. 202/3, Office of this Paper.

**U**NQUALIFIED; 20 years' experience all branches; good references; locum or permanency; anywhere. Hays, 23 Agamemnon Road, W. Hampstead, N.W.6.

**U**NREGISTERED desires Locum, Drug Store or Herbal Store Management; nearly fifteen years own business. Fatty, 6 Newstead Road, Lee, S.E.12.

**WHOLESALE.**

**A**DVERTISER (32), 16 years' experience Retail, seeks position as Representative of good Wholesale House; own car if necessary. Apply 213/27, Office of this Paper.

**A**MBITIOUS Man (25), smart personal appearance, requires progressive appointment as Representative; 9 years' experience Retail Pharmacy, all branches (5 years London); car driver; excellent references. 212/21, Office of this Paper.

**B**UYING and Costing contribute largely to increasing net profit. Advertiser (34), excellent knowledge and experience of these matters, covering wide range Packed Goods trade generally, seeks change; good Organiser; valuable Assistant to principal growing firm needing relief from detail; Branch Works Manager or similar post where profitable results required. 213/47, Office of this Paper.

**C**HARGE Hand, Pill and Tablet Maker, Sugar Choc. and Pearl Coating; many years' practical experience; capable and trustworthy. 213/4, Office of this Paper.

**C**ONTACT.—Do you require an "Ambassador-at-large"? Gentleman (30), Qualified Chemist, experienced in many spheres, desires appointment; appearance, personality, tact; administrative and interviewing ability; adaptable; fullest co-operation. 214/40, Office of this Paper.

**I**RELAND.—Representative (Chemist), own car, exceptional connection with Chemists, Grocers, Wholesale and Retail, in both N.I. and I.F.S., desires Agencies, principally for N.I. 210/4, Office of this Paper.

**P**HARMACIST, 20 years' experience (Proprietor, Manager, Hospital, Surgery), seeks position as Representative of good Wholesale House; own car. 209/60, Office of this Paper.

**P**HARMACIST, 20 years' experience (Retail, Hospital, Surgery), seeks position as Representative of good Wholesale House; own car available. 209/6, Office of this Paper.

**P**ROFESSIONAL/TRADE PROPAGANDA, SALES.—Doctors, Chemists, Licensed Traders; car; long experience; any investigation. "Responsible," General Gordon Hotel, Weymouth.

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Communications will be treated in very strict confidence.

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**T**RAVELLER (31), tall, energetic, sound connection all Chemists, Stores, Hairdressers, Hotels, Midland Counties, seeks engagement with progressive firm; excellent credentials and Sales records. "Pharmo," 213/20, Office of this Paper.

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